

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

5. Lease Serial No.
NMSF078655

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

2. Name of Operator
CONOCOPHILLIPS COMPANY

Contact: CHRIS GUSTARTIS
E-Mail: christina.gustartis@conocophillips.com

7. Unit or CA Agreement Name and No.
NMMN91223

3. Address PO BOX 2197 WL3 6054
HOUSTON, TX 77252

3a. Phone No. (include area code)
Ph: 832.486.2463

8. Lease Name and Well No.
AZTEC 200A

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NESE 1460FSL 660FEL
At top prod interval reported below
At total depth

9. API Well No.
30-045-32245-00-S1

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., or Block and Survey
or Area Sec 8 T32N R10W Mer NMP

12. County or Parish
SAN JUAN

13. State
NM

14. Date Spudded
05/27/2004

15. Date T.D. Reached
06/17/2004

16. Date Completed
☐ D & A ☒ Ready to Prod.
06/18/2004

17. Elevations (DF, KB, RT, GL)*
6766 GL

18. Total Depth: MD 3575
TVD

19. Plug Back T.D.: MD 3574
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
MUDLOG

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ 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	9.625 H-40	32.0	0	234		150		0	
8.750	7.000 J-55	20.0	0	3235		525		0	
6.250	5.500 J-55	16.0	3181	3575		0		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	3559							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3248	3498	3248 TO 3498	0.750	260	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3240 TO 3575	UNDERREAMED 6.25" HOLE TO 9.5"
3248 TO 3498	SURGED WELL FOR APPROXIMATELY 2 DAYS

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
06/18/2004	06/15/2004	24	→	0.0	1520.0	0.0			GAS PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
2	SI	600.0	→	0	1520	0		PGW	

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

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

ELECTRONIC SUBMISSION #34398 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED FOR RECORD

AUG 12 2004

FARMINGTON FIELD OFFICE
BY *sb*

NMOC

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				NACIMIENTO	13
SAN JOSE	0	571		OJO ALAMO	1759
NACIMIENTO	571	1910		KIRTLAND	1809
KIRTLAND	1910			FRUITLAND	3244
				PICTURED CLIFFS	3499

32. Additional remarks (include plugging procedure):

Single well producing from the Basin Fruitland Coal. Well schematic and Daily summary are attached.

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 #34398 Verified by the BLM Well Information System.

For CONOCOPHILLIPS COMPANY, sent to the Farmington

Committed to AFMSS for processing by ADRIENNE BRUMLEY on 08/12/2004 (04AXB3142SE)

Name (please print) CHRIS GUSTARTIS

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 08/11/2004

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

END OF WELL SCHEMATIC

Well Name: Aztec 200A
API #: 30-045-32245
Location: 1460' FSL & 660' FEL
Sect 8 - T32N - R10W
San Juan County, NM
Elevation: 6766' GL (above MSL)
Drl Rig RKB: 13' above Ground Level
Datum: Drl Rig RKB = 13' above GL

Note - this well is equipped with rods & pump
7-1/16" 3M x 2-3/8" EUE 8rd Bonnet
11" 3M x 7-1/16" 3M Tubing Head
9-5/8" 8 RD x 11" 3M Casing Head

Spud: 27-May-04
Release Drl Rig: 29-May-04
Move In Cav Rig: 10-Jun-04
Release Cav Rig: 17-Jun-04

Surface Casing Date set: 27-May-04
Size 9 5/8 in
Set at 234 ft # Jnts: 5
Wt. 32.3 ppf Grade H-40
Hole Size 12 1/4 in Conn STC
Excess Cmt 125 %
T.O.C. SURFACE

Csg Shoe 234 ft
TD of 12-1/4" hole 244 ft

Notified BLM @ 20:50 hrs on 25-May-04
Notified NMOCD @ 20:52 hrs on 25-May-04

Intermediate Casing Date set: 29-May-04
Size 7 in 75 jts
Set at 3235 ft 0 pups
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in Conn STC
Excess Cmt 160 % Top of Float Collar 3189 ft
T.O.C. SURFACE Float Shoe 3235 ft
Pup @ ft TD of 8-3/4" Hole 3240 ft
Pup @ ft

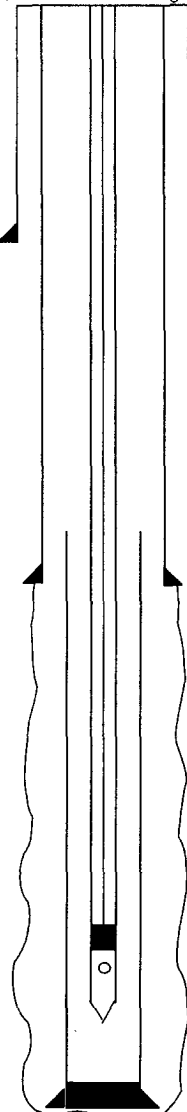
Notified BLM @ 14:45 hrs on 28-May-04
Notified NMOCD @ 14:48 hrs on 28-May-04

Production Liner Date set: 15-Jun-04
Size 5 1/2 in
Nominal Wt. 15.5 ppf
Grade J-55 Connections: LTC
Jnts: 9
Hole Size 6.25 / 9.5 inches
Underreamed 6-1/4" hole to 9.5" from 3240' to 3575'
Top of Liner 3181 ft
PBDT 3574 ft
Bottom of Liner 3575 ft

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used



TD 3,575 ft

Surface Cement

Date cmt'd: 27-May-04
Lead : 150 sx Class G Cement
+ 2% S001 Calcium Chloride
+ 0.25 lb/sx D029 Cellophane Flakes
1.16 cuft/sx, 174 cuft slurry at 15.8 ppg
Displacement: 15.0 bbls fresh wtr
Bumped Plug at: 07:35 hrs w/ 395 psi
Final Circ Press: 145 psi @ 0.5 bpm
Returns during job: YES
CMT Returns to surface: 8 bbls (38.7 sx)
Floats Held: No floats used
W.O.C. for 6.40 hrs (plug bump to start NU BOP)
W.O.C. for 9.40 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 29-May-04
Lead : 425 sx Class G Cement
+ 3% D079 Extender
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
2.61cuft/sx, 1109.3 cuft slurry at 11.7 ppg
Tail : 100 sx 50/50 POZ : Class G cement
+ 2% D020 Bentonite
+ 2% BWOC S001 Calcium Chloride
+ 5 lb/sx D024 Gilsonite
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
1.27 cuft/sx, 127 cuft slurry at 13.5 ppg
Displacement: See Comments
Bumped Plug at: 16:47 hrs w/ 1475 psi
Final Circ Press: 725 psi @ 2 bpm
Returns during job: YES
CMT Returns to surface: 20 bbls (43.0 sx)
Floats Held: ☒ Yes ☐ No

UNCEMENTED LINER

Schematic prepared by:
Steven O. Moore, Drilling Engineer
20-June-2004

This well was NOT cavitated.

COMMENTS:

9-5/8" Surf:	No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 224', 146', 103' & 59'. Total: 4
7" Intermediate	DISPLACED W/20 BBLS FRESH WATER & 109 BBLS 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER.. CENTRALIZERS @ 3225', 3146', 3059', 2973', 2887', 2801', 212', 82', 39'. TURBOLIZERS @ 1807' & 1767'. Total: 9 Total: 2
5.5" Liner	Ran bladed shoe with float valve on bottom of liner. Ran and set the liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perf. Intervals: 3248'-3252', 3264'-3274', 3346'-3350', 3352'-3360', 3362'-3370', 3374'-3380', 3384'-3389', 3466'-3476', 3480'-3487', 3495'-3498'. Total 260 holes
Tubing	2-7/8" Orange Peeled Mud Anchor 30.08' long with eight each 0.25" x 8" slots just below the upset, 2-7/8" x 2-3/8" EUE 8rd XO collar, 2-3/8" OD (1.78" ID) F-Nipple, 1 ea 8 ft x 2-3/8" OD pup jt, and 108 jts 2-3/8" 4.7# J-55 EUE 8rd tbq. Bottom of Mud Anchor at 3559'. Top of F-Nipple at 3528' MD RKB.
Pump &	12" long strainer attached below 2" x 1-1/4" x 12' RHAC-Z insert pump, 1 ea 4' x 3/4" pony rod on top of pump, 141 each 3/4" rods, spaced out with 1 ea 8' pony rod & 1 ea 1-1/4" OD x 22' polished rod
Rods	Set pump in F-Nipple at 3528' MD RKB

CONOCOPHILLIPS CO
Operations Summary Report

Page 1 of 6

Legal Well Name: AZTEC 200A
Common Well Name: AZTEC 200A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 27

Spud Date: 5/27/2004
Start: 6/10/2004
End: 6/17/2004
Rig Release: 6/17/2004
Group:
Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/11/2004	07:00 - 07:30	0.50	DRILL	SFTY	MIRU	PJSM AND JSA WITH ALL PERSONEL ON LOCATION. MOVE RIG AND SPOT EQUIPMENT, RIG UP. MOVED TO THE AZTEC 200A SEC 8 - T32N - R10W 1460'FSL 660'FEL NEAREST HELI PAD IS 1/4 MILE SOUTHEAST OF THIS LOCATION. LEFT VOICE MESSAGE ON THE BLM HOTLINE PHONE FOR PRESSURE TEST @ 1215HRS.
	07:30 - 11:00	3.50	DRILL	RURD	MIRU	
6/12/2004	11:00 - 17:00	6.00	DRILL	RURD	MIRU	LEFT VOICE MESSAGE ON THE PHONE OF CHARLIE PERRIN WITH THE OCD @ 1220HRS. RIG UP EQUIPMENT, UNLOAD DRILL COLLARS FROM PIPE BASKET, INSPECT DRILL COLLARS AND ALL RELATED SUBS, ALL OK. NIPPLE UP BOPS.
	17:00 - 19:00	2.00	DRILL	EGRP	MIRU	WORK ON GENERATOR, AND UNIT.
	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 09:00	1.50	DRILL	RURD	COMPZN	FINISH RIGGING UP, LAY BLOOIE LINES, LAY BLOW LINES.
	09:00 - 10:00	1.00	DRILL	SFTY	COMPZN	RIG INSPECTION AND REPAIR GIGS.
	10:00 - 13:30	3.50	WELCTL	BOPE	COMPZN	PRESSURE TEST CASING AND BLIND RAMS 300# LOW AND 1800# HIGH FOR 30 MIN. STATE INTEGRITY TEST. PRESSURE TEST BOTH SETS OF PIPE RAMS, HCR VALVES, AND ALL MANIFOLD VALVES. 300 # LOW FOR 3 MIN. AND 1800 # HIGH FOR 10 MIN. ALL OK
	13:30 - 15:00	1.50	DRILL	PULD	COMPZN	GIH PU BHA 6 1/4" RERUN BIT, BIT SUB WITH DP FLOAT, 12 - 3 1/2" DC'S, 1JT OF 2 7/8" DP, 1-2 7/8" FN W / 1.87 PROFILE. PULL DRILL PIPE OUT OF PIPE BASKET AND TALLY.
	15:00 - 16:30	1.50	RIGMNT	RGRP	COMPZN	REPLACE HYDRAULIC SEALS IN # 2 BOP
	16:30 - 17:30	1.00	DRILL	PULD	COMPZN	GIH WITH 89 JOINTS OF 2 7/8 AOH DRILL PIPE. TAG CEMENT @ 3173'
	17:30 - 18:30	1.00	DRILL	PULD	COMPZN	PICK UP AND RIG UP 2.5 POWER SWIVEL, CHANGE OUT STRIPPING RUBBER.
6/13/2004	18:30 - 19:00	0.50	DRILL	OTHR	COMPZN	SECURE WELL, LOCK UP EQUIPMENT AND SHUT DOWN FOR THE NIGHT.
	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	DRILL	OTHR	COMPZN	CENTER BOPS AND CHAIN DOWN BLOOIE LINES.
	08:00 - 08:30	0.50	DRILL	OTHR	COMPZN	PRESSURE TEST AIR LINE AND AIR MANIFOLD, 250PSI FOR 3 MIN AND 1200PSI FOR 10 MIN. ALL OK
	08:30 - 09:30	1.00	DRILL	DRLG	COMPZN	UNLOAD HOLE, ESTABLISH CIRCULATION, DRLG FLOAT COLLAR AND 46' OF CEMENT. TAG FLOAT @ 3189' CSG SHOE @ 3235' TOTAL DEPTH @ 3240'
	09:30 - 18:00	8.50	DRILL	DRLG	COMPZN	DRILLING FORMATION 3240' TO 3575' DRLG WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 300PSI ON STANDPIPE. COMP DISCHARGE TEMP 220 DEGREES BOOSTER DISCHARGE TEMP 275 DEGREES BOOSTER RPM 1500

Operations Summary Report

Legal Well Name: AZTEC 200A
 Common Well Name: AZTEC 200A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 27

Start: 6/10/2004
 Rig Release: 6/17/2004
 Rig Number: 27

Spud Date: 5/27/2004
 End: 6/17/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/13/2004	09:30 - 18:00	8.50	DRILL	DRLG	COMPZN	NO WATER TO SURFACE OR TSTM. 3248' - 3250' 2' 515 UNITS OF GAS 3263' - 3266' 3' 600 UNITS OF GAS 3268' - 3274' 6' 615 UNITS OF GAS 3347' - 3366' 19' 650 UNITS OF GAS 3367' - 3371' 4' 650 UNITS OF GAS 3374' - 3379' 5' 650 UNITS OF GAS 3380' - 3384' 4' 635 UNITS OF GAS 3386' - 3389' 3' 635 UNITS OF GAS 3467' - 3477' 10' 664 UNITS OF GAS 3480' - 3486' 6' 650 UNITS OF GAS 3496' - 3498' 2' 650 UNITS OF GAS TOTAL COAL 64'
	18:00 - 19:00	1.00	DRILL	CIRC	COMPZN	BLOW HOLE CLEAN WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 200PSI ON STANDPIPE. WELL WAS MAKING 1 1/2 BUCKET PER HOUR OF COAL, DOWN TO 1/2 BUCKET PER HOUR OF COAL
	19:00 - 19:30	0.50	DRILL	CIRC	COMPZN	TURN OFF MIST PUMP AND BLOW WELL DRY.
	19:30 - 20:15	0.75	DRILL	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 13 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	20:15 - 21:30	1.25	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 7# ON GAUGE 1.75 # 801 MCFD 15 MINUTES - 22 # ON GAUGE 5.50 # 1454 MCFD 30 MINUTES - 22 # ON GAUGE 5.50 # 1454 MCFD 45 MINUTES - 22.5 # ON GAUGE 5.62 # 1505 MCFD 60 MINUTES - 22.5 # ON GAUGE 5.62 # 1505 MCFD
	21:30 - 23:00	1.50	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 22 PSI 15 MINUTES 103 PSI 30 MINUTES 105 PSI 45 MINUTES 107 PSI 60 MINUTES 107 PSI RELEASE AS NATURAL SURGE, LET WELL BLOW DOWN.
	23:00 - 00:30	1.50	DRILL	TRIP	COMPZN	TRIP OUT OF HOLE TO PICK UP SHOCK SUB AND UNDER REAMER.
	00:30 - 01:00	0.50	DRILL	PULD	COMPZN	PICK UP SHOCK SUB AND UNDER REAMER.
	01:00 - 02:30	1.50	DRILL	TRIP	COMPZN	TRIP IN HOLE WITH UNDER REAMER TO CASING SHOE @ 3235'
	02:30 - 03:00	0.50	DRILL	PULD	COMPZN	PICK UP POWER SWIVEL AND RIG UP.
	03:00 - 06:00	3.00	DRILL	UREM	COMPZN	UNDER REAM 6 1/4" HOLE TO 9 1/2" HOLE FROM 3240' TO 3359' WITH 1500 CFM AIR, 8 TO 10 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 600PSI ON STAND PIPE
	06:00 - 07:00	1.00	DRILL	UREM	COMPZN	UNDER REAM 6 1/4" HOLE TO 9 1/2" HOLE FROM 3359' TO 3389' WITH 1500 CFM AIR, 8 TO 10 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER.

CONOCOPHILLIPS CO
Operations Summary Report

Page 3 of 6

Legal Well Name: AZTEC 200A
Common Well Name: AZTEC 200A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 27

Start: 6/10/2004
Rig Release: 6/17/2004
Rig Number: 27
Spud Date: 5/27/2004
End: 6/17/2004
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/14/2004	06:00 - 07:00	1.00	DRILL	UREM	COMPZN	600PSI ON STAND PIPE
	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 12:00	4.50	DRILL	UREM	COMPZN	UNDER REAM 6 1/4" HOLE TO 9 1/2" HOLE FROM 3389' TO 3575' WITH 1500 CFM AIR, 8 TO 10 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER.
	12:00 - 13:00	1.00	DRILL	CIRC	COMPZN	600PSI ON STAND PIPE BLOW HOLE CLEAN WITH 1500 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER.
						200PSI ON STANDPIPE.
						WELL WAS MAKING 1 1/2 BUCKET PER HOUR OF COAL, DOWN TO 1/2 BUCKET PER HOUR OF COAL
	13:00 - 13:30	0.50	DRILL	CIRC	COMPZN	TURN OFF MIST PUMP AND BLOW WELL DRY.
	13:30 - 14:00	0.50	DRILL	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 12 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	14:00 - 15:00	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 8# ON GAUGE 2.00 # 869 MCFD 15 MINUTES - 22 # ON GAUGE 5.50 # 1454 MCFD 30 MINUTES - 22 # ON GAUGE 5.50 # 1454 MCFD 45 MINUTES - 22 # ON GAUGE 5.50 # 1454 MCFD 60 MINUTES - 22 # ON GAUGE 5.50 # 1454 MCFD
	15:00 - 16:30	1.50	DRILL	TRIP	COMPZN	TRIP OUT OF HOLE WITH UNDER REAMER AND LAY DOWN SAME.
	16:30 - 17:00	0.50	FLOWT	SIPB	COMPZN	LAY DOWN DRILL COLLAR. CHANGE RAMS IN # 1 BOP TO 3 1/2 RAMS, PICK UP SURGE JOINT.
	17:00 - 01:00	8.00	STIMOP	SIPB	COMPZN	SHUT IN TEST INSP 20 PSI 15 MINUTES 100 PSI 30 MINUTES 100 PSI 45 MINUTES 102 PSI 60 MINUTES 102 PSI RELEASE AS NATURAL SURGE # 1, LET WELL BLOW DOWN. NATURAL SURGE # 2 105PSI NATURAL SURGE # 3 105PSI NATURAL SURGE # 4 105PSI NATURAL SURGE # 5 105PSI NATURAL SURGE # 6 105PSI NATURAL SURGE FROM SURFACE WITH SURGE JOINT.
	01:00 - 02:00	1.00	STIMOP	OTHR	COMPZN	RIG DOWN SURGE JOINT, CHANGE RAMS IN # 1 BOP TO 2 7/8 AND TEST.
	02:00 - 03:30	1.50	STIMOP	TRIP	COMPZN	PICK UP BIT, BIT SUB W/ DP FLOAT AND TRIP IN HOLE WITH DRILL COLLARS AND DRILL PIPE TO CSG SHOE.
	03:30 - 04:00	0.50	STIMOP	FCO	COMPZN	PICK UP AND RIG UP POWER SWIVEL.
	04:00 - 04:30	0.50	STIMOP	FCO	COMPZN	PICK UP 12 JOINTS OF DRILL PIPE WITH POWER SWIVEL, TAG @ 3575'
	04:30 - 05:00	0.50	STIMOP	FCO	COMPZN	ESTABLISH CIRCULATION AND CLEAN OUT TO 3575'
	05:00 - 06:00	1.00	STIMOP	CIRC	COMPZN	CIRCULATE WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER.
6/15/2004						300 PSI ON STAND PIPE.
	06:00 - 06:45	0.75	FLOWT	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 12 JOINTS OF DRILL PIPE WITH POWER SWIVEL.

Operations Summary Report

Legal Well Name: AZTEC 200A
 Common Well Name: AZTEC 200A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 27

Spud Date: 5/27/2004
 Start: 6/10/2004 End: 6/17/2004
 Rig Release: 6/17/2004 Group:
 Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/15/2004	06:45 - 08:00	1.25	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 5# ON GAUGE 1.25 # 687 MCFD 15 MINUTES - 20 # ON GAUGE 5.00 # 1374 MCFD 30 MINUTES - 22 # ON GAUGE 5.50 # 1454 MCFD 45 MINUTES - 24 # ON GAUGE 6.00 # 1520 MCFD 60 MINUTES - 24 # ON GAUGE 6.00 # 1520 MCFD 75 MINUTES - 24 # ON GAUGE 6.00 # 1520 MCFD
	08:00 - 19:30	11.50	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 45 PSI 15 MINUTES 90 PSI 30 MINUTES 100 PSI 45 MINUTES 105 PSI 60 MINUTES 107 PSI RELEASE SHUT IN AS NATURAL SURGE #1 NATURAL SURGE # 2 107PSI NATURAL SURGE # 3 105PSI NATURAL SURGE # 4 105PSI NATURAL SURGE # 5 105PSI NATURAL SURGE # 6 105PSI LEFT #2 SURGE CLOSED IN FOR 2 HRS BECAUSE OF WIND DIRECTION.
	19:30 - 21:00	1.50	RIGMNT	RGRP	COMPZN	WAIT ON A DIFFERENT GENERATOR, OR FIX THE ONE ON LOCATION, GENERATOR WENT DOWN AT 0600HRS.
	21:00 - 21:30	0.50	STIMOP	FCO	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL, TAG @ 3575' NO FILL
	21:30 - 03:00	5.50	STIMOP	CIRC	COMPZN	CIRCULATE HOLE CLEAN WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER, 2 GAL SS-1200 POLYMER PER 10 BARRELS OF WATER. 300PSI ON STAND PIPE
	03:00 - 04:00	1.00	STIMOP	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 13 JOINTS OF DRILL PIPE WITH POWER SWIVEL, RIG DOWN AND HANG SWIVEL IN DERRICK.
	04:00 - 05:30	1.50	STIMOP	TRIP	COMPZN	TRIP OUT OF HOLE TO RUN 5 1/2 LINER.
	05:30 - 06:00	0.50	STIMOP	SFTY	COMPZN	PJSM AND JSA, RIG UP TO RUN CASING, CHANGE #1 PIPE RAMS TO 5 1/2 AND TEST.
	06:00 - 07:00	1.00	CASING	OTHR	COMPZN	RIG UP TO RUN CASING, CHANGE #1 PIPE RAMS TO 5 1/2 AND TEST.
	07:00 - 07:30	0.50	CASING	SFTY	COMPZN	PJSM AND JSA, FOR RUNNING CASING AND PICKING UP LINER HANGER. 24 # ON GAUGE 6.00 # 1520 MCFD THROUGH 2" LINE WHILE RIGGING UP TO RUN CASING.
6/16/2004	07:30 - 08:00	0.50	CASING	PULD	COMPZN	MAKE UP DROP OFF TOOL ON JOINT OF DRILL PIPE AND LAY DOWN, RIG UP CASING TONGS.
	08:00 - 11:30	3.50	CASING	PUTB	COMPZN	GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS: 6-1/16" OD BLADED SHOE W/ FLOAT VALVE - 1.00' 9- JTS 5-1/2" CASING - 389.96' 6-1/8" TIW "H" ROTATING SET COLLAR - 2.40' TOTAL LINER ASSEMBLY - 393.36'

Operations Summary Report

Legal Well Name: AZTEC 200A
 Common Well Name: AZTEC 200A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 27

Spud Date: 5/27/2004
 Start: 6/10/2004 End: 6/17/2004
 Rig Release: 6/17/2004 Group:
 Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/16/2004	08:00 - 11:30	3.50	CASING	PUTB	COMPZN	GIH W/ TOTAL OF 90 JTS 2-7/8" DRILLPIPE T/3209'KB. RU POWER SWIVEL- GIH W/ 5-1/2" LINER ASSEMBLY F/3209' & TAG UP @ 3575'KB,PBTD. SET 5-1/2" LINER ASSEMBLY F/ 3181-3575'KB EOL- W/ PBTD @ 3574KB- RELEASE OFF OF LINER ASSEMBLY TOL @ 3181'KB.
	11:30 - 12:30	1.00	CASING	PULD	COMPZN	RIG DOWN AND LOAD OUT POWER SWIVEL
	12:30 - 15:30	3.00	STIMOP	PULD	COMPZN	LAY DOWN DRILL PIPE, TIH WITH DRILL COLLARS AND LAY DOWN SAME.
	15:30 - 17:30	2.00	RIGMNT	RGRP	COMPZN	CHANGE MOTOR ON POWER SWIVEL, CHANGE AND TEST RAMS IN #1 & #2 BOPS, AND TEST.
	17:30 - 18:00	0.50	STIMOP	OTHR	COMPZN	SECURE WELL AND SHUT DOWN FOR THE NIGHT.
6/17/2004	07:00 - 07:30	0.50	PERFOP	SFTY	COMPZN	PJSM & JSA FOR PERFORATING WITH ALL PERSONEL ON LOCATION.
	07:30 - 09:30	2.00	PERFOP	PERF	COMPZN	RIG UP BLUE JET AND TEST LUBRICATOR TO 112PSI. PERFORATE AT FOLLOWING INTERVALS. 3495' - 3498' = 3' 12 SHOTS 3480' - 3487' = 7' 28 SHOTS 3466' - 3476' = 10' 40 SHOTS 3384' - 3389' = 5' 20 SHOTS 3374' - 3380' = 6' 24 SHOTS 3362' - 3370' = 8' 32 SHOTS 3352' - 3360' = 8' 32 SHOTS 3346' - 3350' = 4' 16 SHOTS 3264' - 3274' = 10' 40 SHOTS 3248' - 3252' = 4' 16 SHOTS 4 SHOTS PER FOOT, 260 TOTAL SHOTS. 5 WIRELINE RUNS. BLOW WELL DOWN. GIH W/ 30.08' X 2-7/8" 8RD EUE BOX ORANGE PEELED MUD ANCHOR W/ 8-(1/4" X 8") SLOTS, 2-7/8" X 2-3/8" EUE 8RD X-O COLLAR (0.46") , W/ 0.85" x 2-3/8" OD X 1.78" ID "F" NIPPLE CONTAINING BLANKING PLUG (PT BP IN FN T/ 1000 PSIG 6-7-2004 @ B&R SERVICE'S SHOP), W/ 2-3/8" X 8' PUP JOINT- W/ 108 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3507.84')- LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV EOT / MUD ANCHOR @ 3559'KB 1/4" X 8" SLOTS 3531'KB. 1.78" FN @ 3528'KB. PERF INTERVAL 3248-3498'KB. TOP OF LINER @ 3181'KB.
	09:30 - 10:00	0.50	PERFOP	OTHR	COMPZN	
	10:00 - 12:30	2.50	STIMOP	RCST	COMPZN	
	12:30 - 14:30	2.00	TREBOP	NUND	COMPZN	RIG DOWN FLOOR AND NIPPLE DOWN BOPS. NIPPLE UP RADAGAN AND RIG UP TO RUN RODS.
	14:30 - 17:30	3.00	RIGMNT	SVRG	COMPZN	CHANGE OIL IN ALL MOTORS AND GEAR BOXES, TRANSMISSION, REAR ENDS, TONGS,SWIVEL, POWER UNIT, HYDRAULIC FILTERS.

Operations Summary Report

Legal Well Name: AZTEC 200A
 Common Well Name: AZTEC 200A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 27

Start: 6/10/2004 Spud Date: 5/27/2004
 Rig Release: 6/17/2004 End: 6/17/2004
 Rig Number: 27 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/17/2004	14:30 - 17:30	3.00	RIGMNT	SVRG	COMPZN	SECURE WELL LOCK UP EQUIPMENT AND SHUT DOWN FOR THE NIGHT.
	17:30 - 18:00	0.50	STIMOP	OTHR	COMPZN	
6/18/2004	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM AND JSA FOR PULLING PLUG WITH ALL PERSONEL ON LOCATION.
	07:30 - 09:00	1.50	STIMOP	SLKL	COMPZN	SPOT AND RIG UP WIRELINE TRUCK, TEST LUBRICATOR TO 90PSI.
	09:00 - 11:30	2.50	STIMOP	PULD	COMPZN	PULL BLANKING PLUG FROM F-NIPPLE.
						RU TO RUN RODS- FUNCTION TEST INSERT PUMP (OK)- GIH W/ 12" STRAINER ATTACHED BELOW 2" X 1 1/4" X 12' RHAC-Z INSERT PUMP SN: (CP128) W/ 4' PONY ROD AND 141 3/4" NORRIS, TYPE 78, API GRADE "D" RODS & SPACE OUT W/ 8' PONY ROD, RUN 1 1/4" X 22' POLISHED ROD. RIG UP ABOVE 2-3/8" COLLAR 1-1/4" ROD RATAGAN, 2-3/8" PUMPING TEE W/ 2" & 1" OUTLETS W/ BALL VALVES, STUFFING BOX. PUMP SEATED @ 3528'KB,FN. LOAD TBG W/ 12 BBLS CLEAN PRODUCED Kfc WATER- PT STANDING VALVE, TBG, STUFFING BOX T/ 500 PSIG (OK)- STROKE PUMP T/500 PSIG & CHECK TRAVELING VALVE (OK). HANG OFF PUMP.
	11:30 - 18:00	6.50	MOVE	RURD	COMPZN	RIG DOWN AND PREPARE TO MOVE . RIG RELEASED @ 1800HRS 6/17/04 TO THE FC DECKER PRIMO COM #2A.