

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

1a. Type of Well ☒ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____ 2005 JUL 11 PM 1:53

2. Name of Operator
ConocoPhillips Company

3. Address
5525 Highway 64 Farmington NM 87401

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface SWNW SEC 17 T32N R7W 1709 FNL & 1127 FWL

At top prod. interval reported below

At total depth

14. Date Spudded
05/12/2005

15. Date T.D. Reached
05/23/2005

16. Date Completed
☐ D & A ☒ Ready to Prod.
06/12/2005

18. Total Depth: MD 3128
TVD 3128

19. Plug Back T.D.: MD 3126
TVD 3126

20. Depth Bridge Plug Set: MD
TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit copy)

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
12.25	9.625	32.3	0	233		165		0	10 bbl
8.75	7.0	20.0	0	2823		420		0	25 bbl
6.25	5.5 Liner	15.5	2779	3126		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	3091							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	2871	3050	Basin Fruitland Coal	.75	304	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
	Underreamed 6.25" hole to 9.5" from 2883' to 3128'.

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
06/12/05	06/10/05	1	→		1584	2			Gas Pumping Unit
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
2" Pitot	n/a	26 psi	→						

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

JUL 12 2005

FARMINGTON FIELD OFFICE
BY *adp*

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 or 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
				Nacimiento	373
				Ojo Alamo	1823
				Kirtland	2403
				Fruitland	2783
				Base Main Coal	3283

32. Additional remarks (include plugging procedure):

This well is a single well producing from the Basin Fruitland Coal. Attached is the Wellbore Schematic and the Daily Summaries.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological 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)*

Name (please print) Juanita Farrell Title Regulatory Analyst

Signature  Date 06/24/2005

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

END OF WELL SCHEMATIC

Well Name: San Juan 32-7 #244A
 API #: 30-045-32770
 Location: 1709' FNL & 1127' FWL
Sec. 17 - T32N - R7W
San Juan County, NM
 Elevation: 6320' 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

Patterson Rig: #747
 Spud: 12-May-05
 Spud Time: 20:00
 Release Drl Rig: 18-May-05
 Time Release Rig: 6:00
 Move In Cav Rig: 19-May-05
 Release Cav Rig: 12-Jun-05

Surface Casing Date set: 15-May-05
 Size 9 5/8 in
 Set at 233 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 233 ft
 TD of 12-1/4" hole 240 ft

Notified BLM @ 7:00 hrs on 14-May-05
 Notified NMOCD @ 7:00 hrs on 14-May-05

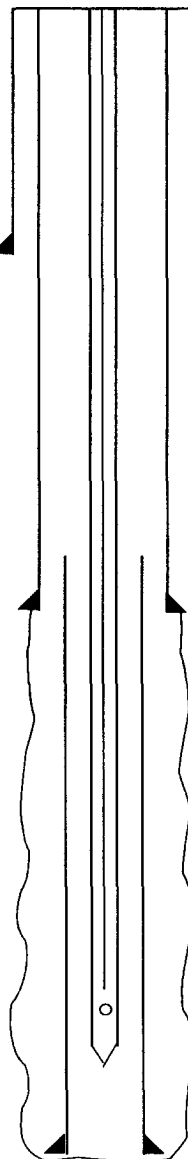
Intermediate Casing Date set: 17-May-05
 Size 7 in 66 jts
 Set at 2823 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 2777 ft
 T.O.C. SURFACE Bottom of Casing Shoe 2823 ft
 Pup @ 0 ft TD of 8-3/4" Hole 2823 ft
 Pup @ 0 ft
 Notified BLM @ 0:00 hrs on 00-Jan-00
 Notified NMOCD @ 0:00 hrs on 00-Jan-00

Production Liner Date set: 9-Jun-05
 Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: _____
 # Jnts: 8
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 2883' to 3128'
 Top of Liner 2779 ft
 PBTD 3126 ft
 Bottom of Liner 3126 ft

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used



TD 3,128 ft

Surface Cement

Date cmt'd: 15-May-05
 Lead : 165 sx Class G Cement
 + 3% BWOC Calcium Chloride
 + 0.25 lb/sx Flocele
1.18 cuft/sx, 194.7 cuft slurry at 15.6 ppg
 Displacement: 15.0 bbls fresh wtr
 Bumped Plug at: 04:30 hrs w/ 250 psi
 Final Circ Press: 65 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 10
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 8.75 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 17-May-05
 Lead : 320 sx Standard Cement
 + 3% Econolite
 + 0.25 lb/sx Flocele
 + 10 lb/sk Gilsonite
0
2.91 cuft/sx, 931.2 cuft slurry at 11.5 ppg
 Tail : 100 sx 50/50 POZ : Standard cement
 + 2% Bentonite
 + 2% Calcium Chloride
 + 5 lb/sx Gilsonite
 + 0.25 lb/sx Flocele
0
1.33 cuft/sx, 133 cuft slurry at 13.5 ppg
 Displacement: 112
 Bumped Plug at: 10:00 hrs w/ 1075 psi
 Final Circ Press: 660 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 25
 Floats Held: ☒ Yes ☐ No

UNCEMENTED LINER

Schematic prepared by:
 Michael P. Neuschafer, Drilling Engineer
 29-June-2005

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 @ 189'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 223', 145', 102' & 59'. Total: 4
7" Intermediate	DISPLACED W/ 112.0 BBLs. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER CENTRALIZERS @ 2813', 2737', 2651', 2565', 2484', 2397', 210', 83' & 40'. TURBOLIZERS @ 2014', 1971', 1928', 1885' & 1842'. Total: 9 Total: 5
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: 2871'-2886', 2888'-2894', 2896'-2909', 2912'-2922', 2998'-3004', 3006'-3026', 3031'-3035', 3048'-3050'. Total 304 holes
Tubing	2-3/8" Mud Anchor 33.3' long with eight each 0.25" x 8" slots just below the upset, 2-1/16" x 2-3/8" EUE 8rd XO collar, 2-3/8" OD (1.78" ID) F-Nipple, 1 ea 2', 6', 8', & 10' pup jt, and 96 jts 2-3/8" 4.7# J-55 EUE 8rd tubing. Bottom of Mud Anchor at 3091'. Top of F-Nipple at 3056' MD RKB.
Pump & Rods	12" long strainer attached below 2" x 1-1/4" x 12' RWAC-Z insert pump 118 each 3/4" rods, spaced out with 1 ea 8', 6', 4', & 2' x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3056' MD RKB

Initial Completion, 5/19/2005 00:00

API/Bottom UWI	County	State/Province	Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
300453277000		New Mexico	NMPM-32N-07W-17-E	1,709.00	N	1,127.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,320.00	36° 59' 1" N	107° 35' 44" E	5/12/2005	5/18/2005			

5/19/2005 07:00 - 5/19/2005 17:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's.
standby waiting on location to be cleaned up from drilling rig.
weld & work on rig & equipment, c/o drilling line.
secured location = s.d.o.n.

5/20/2005 07:00 - 5/20/2005 20:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's.
loading out equipment on float's.
safety meeting & jsa review's @ start of all operation's.
moving rig & equipment to location.
safety meeting & jsa review's @ start of all operation's.
miru key energy rig # 18 & equipment.
secured location = s.d.o.n.

5/21/2005 07:00 - 5/21/2005 20:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's.
ru rig & equipment, ru all ground line's & air line's.
safety meeting & jsa review's @ start of all operation's.
nu bop's, hcr valve's, choke manifold & line's, blooie line's.
secured well & location = s.d.o.n.

5/22/2005 07:00 - 5/22/2005 17:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's.
ru rig floor & 2 7/8" equipment.
test 7" csg & blind ram's, 320# 10 min's & 1800# 30 min's, good test.
test pipe ram's, hcr valve's, choke manifold, 320# 10 min's & 1800# 10 min's, good test.
safety meeting & jsa review's @ start of all operation's.
pu pipe out of basket & put on pipe rack's, tally pipe.
gih pu 6 1/4" bit & sub, 12 - 3 1/2" dc's, 1 jt of 2 7/8" dp, 1- 2 7/8" fn w / 1.81 profile,
& dp to 2740', 7" fc @ 2777' & 7" shoe @ 2823'.
safety meeting & jsa review's @ start of all operation's.
pu & mu power swivel, run out & test power swivel for operation's.
not able to get mud logger's till 07:00 am on 05/23/2005.
secured well & location = s.d.o.n.

5/23/2005 07:00 - 5/23/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's.
unload hole w / air assist.
drill out 7" csg float collar @ 2,777' & 7" csg shoe @ 2,823' w / air assist.
drilling ahead w / 6 1/4" bit from 2,823' to td @ 3,128' w / air assist, 1600
scfm air, 10 bph mist, 1/2 gal of foamer, 1/4 gal of corrosion inhibitor.
return's to surface, med coal, shale & sandstone.
circ & correlate w / mud logger's = coal interval's as follow's.
2,871'-72' = 1 ft = 214 gas unit's
2,873'-83' = 10 ft = 214 gas unit's
2,884'-85' = 1 ft = 214 gas unit's
2,889'-94' = 5 ft = 214 gas unit's
2,896'-2,907' = 11 ft = 481 gas unit's
2,912'-14' = 2 ft = 400 gas unit's
2,916'-21' = 5 ft = 400 gas unit's
2,998'-3,001' = 3 ft = 350 gas unit's
3,012'-26' = 14 ft = 380 gas unit's
3,030'-35' = 5 ft = 380 gas unit's
3,048'-50' = 2 ft = 380 gas unit's
total net coal = 59 ft = 380 to 400 background gas
safety meeting & jsa review's @ start of all operation's
r&r c/o to td @ 3,128' w / air assist, 1,600 to 1,200 scfm air, 10 bph mist, 1/2 gal
foamer, 1/4 gal of corrosion inhibitor, return's to surface, med to light coal, shale
& sandstone

5/24/2005 00:00 - 5/24/2005 00:00

Last 24hr Summary

r&r c/o to td @ 3,128' w / air assist, 1,200 scfm air, 8 bph mist, 1/2 gal foamer

1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface,

med to light coal, shale & sandstone, w / 1/2 bph water gain.

4 down to 1 bucket's per hour off sample catcher, dry up well for test

still making some water.

safety meeting & jsa review's @ start of all operation's.

puh inside 7" csg w / bha.

test well = flow test = attention bad

15 min's = 8 oz = 434 mcfd = dry

30 min's = 12 oz = 539 mcfd = light mist

45 min's = 16 oz = 615 mcfd = med mist

1 hr = 16 oz = 615 mcfd = heavy mist

test well = shut in test

isip = 15#

15 min's = 120#

30 min's = 190#

45 min's = 215#

1 hr = 217#

safety meeting & jsa review's @ start of all operation's.

cooh w / dp, dc's & bha.

safety meeting & jsa review's @ start of all operation's.

pu & mu baker under-reamer & shock-sub.

rih w / bha & dp to 7" shoe @ 2,823'.

pu power swivel & break-circ w / air assist.

under-ream 6 1/4" hole to 9 1/2" hole f / 2,828' - t / 3,128' w / air assist, 1,200 to 1,500

scfm air, 8 to 10 bph mist, 1/2 gal of foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of

fluid pumped, return's to surface, med coal & shale w / 1 to 2 bph water gain. not able to dry

up wellbore.

safety meeting & jsa review's @ start of all operation's.

puh inside 7" csg w / bha, hang back power swivel.

cooh w / bha & dp, rd baker under-reamer & ru bit & bit sub.

safety meeting & jsa review's @ start of all operation's.

rih w / 6 1/4" bit, bit sub & dp to 2,823'.

pu power swivel & break circ w / air assist.

rih tag @ 2,850', r&r c/o f / 2,850' to 3,000' w / air assist, 1,800 to 1,500 scfm air, 8 to 10 bph mist,

1/2 gal of foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface,

med coal & shale w / 1.5 to 2.5 bph water gain, 5 down to 3 bucket's per hour off sample catcher.

5/25/2005 00:00 - 5/25/2005 00:00

Last 24hr Summary

r&r c/o f / 3,000' - t / 3052' w / air assist, 1,600 scfm air, 8 to 10 bph mist, 1/2 gal of foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med to light coal & shale w / 1 to 2 bph water gain, 4 down to 1 bucket's per hour off sample catcher, 90% coal.

safety meeting & jsa review's @ start of all operation's.

dry up wellbore for flow & shut in pressure test.

puh inside 7" csg w / bha & ru to test well.

flow test as follow's.

min's	=	manifold	=	pitot	=	mcf	=	water
15 min's	=	3.00#	=	12 oz	=	539	=	light mist
30 min's	=	4.00#	=	1.00#	=	615	=	light to med mist
45 min's	=	5.00#	=	1.25#	=	634	=	med mist
1 hr	=	5.00#	=	1.25#	=	634	=	med to heavy mist

shut in to build pressure test as follow's.

time = pressure

isip = 15#

15 min's = 125#

30 min's = 200#

45 min's = 280#

1 hr = 320#

2 hr's = 485#

3 hr's = 610#

4 hr's = 700# = breakdown in time log, not enough room to put in this sum.

release natural surge @ 500#

surge well w / 1,800 to 1,900 scfm air, 10 bph mist, 1 gal of foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped & 3 gal's of foamer ahead of surge build up of pressure, 2 to 3 - 5 bbl

water pad's during surge build up of pressure, released surge @ 1,200# to 1,400# of pressure.

return's to surface, # 1 air surge - water & foam, # 2 surge - water, foam & trace of coal, # 3 surge - black water.

rih from 7" csg & tag @ 2,880', r&r c/o f / 2,880' - t / 2,930' w / air assist, 1,800 to 1,200 scfm air, 8 to 10 bph mist, 1/2 gal of foamer, 1/4 gal of corrosion inhibitor, return's to surface, med coal.

5/26/2005 00:00 - 5/26/2005 00:00

Last 24hr Summary

r&r c/o t / 3,052' w / air assist, 1,800 to 1,200 scfm air, 8 to 10 bph mist, 1/2 gal of foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med to light coal & shale w / 1 to 2.5 bph water gain & 5 down to 1 bucket's per hour off sample catcher, 90% coal.

safety meeting & jsa review's @ start of all operation's. puh inside 7" csg w / bha.

surge well 3 time's w / 3-10 bbl's water pad's on each surge w / 3 gal's of foamer ahead of surge, air assist of 1,800 scfm air, 10 bbl's of mist, 1/2 gal of foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped, 1,300# to 1,450# of dp pressure w / backside pressure f / 1,100# to 1,300#, return's to surface, black foam water & light to med coal.

safety meeting & jsa review's @ start of all operation's.

rih from 7" csg & tag @ 2,880', r&r c/o f / 2,880' - t / 2,989' w / 1,600 scfm air, 10 bph mist, 1/2 gal of foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med coal & shale w / 2 to 3 bph water gain, 6 down to 3 bucket's per hour off sample catcher, 95% coal.

safety meeting & jsa review's @ start of all operation's & during crew change.

5/27/2005 00:00 - 5/27/2005 00:00

Last 24hr Summary

r&r c/o t / 3,052' w / air assist, 1,600 scfm air, 8 to 10 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor, return's to surface, med to light coal & shale w / 2 bph water gain, 4 down to 1 bucket's ph, 90% coal & 10% shale. Safety meeting & jsa review's @ start of all operation's & crew change's. Puh inside 7" csg w / bha.

Surge well two time's w / heavy hydraulic water surge's, 3 gal's foamer ahead of water, 1 bpm water, 1,900

scfm air, 10 bph mist, 1 gal foamer, 1/4 gal corrosion inhibitor, taking air off @ 1,100# letting water drop dp pressure, then put air back on 3 time's, release surge's @ 1,450#, return's surface, light to heavy back water & coal. Break loose dp & c/o from 7" csg shoe @ 2,823', c/o wellbore f / 2,823' - t / 2,958' w / 1,900 to 1,600 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor ph, return's to surface, heavy to med coal & shale, 8 down to 4 bucket's ph of sample catcher w / 2 to 3 bph water gain, 90% coal & 10% shale.

5/28/2005 00:00 - 5/28/2005 00:00

Last 24hr Summary

Safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 2,958' - t/ 3,052' w / air assist, 1,600 scfm air, 8 to 10 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med to light coal & fine's w / 2 to 3 bph water gain, 5 down to 1 bucket's per hour off sample catcher, 90% coal & 10% shale. not able to dry up well, Puh inside 7" csg w / bha.

flow test = wet

time	=	manifold	=	pitot	=	mcfd	=	water
15 min's	=	8.00#	=	2.00#	=	869	=	heavy mist
30 min's	=	9.00#	=	2.25#	=	913	=	heavy mist w / 1/8" stream of water.
45 min's	=	10.00#	=	2.50#	=	970	=	heavy mist w / 1/4" stream of water.
1 hr	=	11.00#	=	2.75#	=	1030	=	heavy mist w / 1/4" stream of water.

shut in to build pressure = bad test well logging off w / water.

time	=	pressure
isip	=	25.00#
15 min's	=	80.00#
30 min's	=	160.00#
45 min's	=	200.00#
1 hr	=	225.00#

safety meeting & jsa review's @ start of all operation's & crew change's.

surge well 3 time's w / 3 gal's of foamer ahead of surge, 3-10 bbl water pad's, 1,900 scfm, 10 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, taking pressure f/ 1,400# up to 1,500# dp pressure, return's to surface, heavy black water & light to heavy coal.

r&r c/o f/ 2,823' - t/ 2,858' w / air assist, 1,600 scfm air, 8 to 10 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 to 4 bph water gain, 8 down to 3 bucket's per hour off sample catcher, 90% coal.

5/29/2005 00:00 - 5/29/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 2,858' - t/ 2,927' w / air assist, 1,600 to 1,800 scfm air, 8 to 10 bph mist, 1/2 to 1 gal of foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 to 3 bph water gain, 10 down to 4 bucket's per hour off sample catcher, 75% coal & 25% shale.

5/30/2005 00:00 - 5/30/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 2,927' w / air assist, 1,800 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med coal & shale w / 2 bph water gain, 5 down to 3 bucket's per hour off sample catcher, 75% coal & 25% shale, puh held bop drill, safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 2,958' w / air assist, 1,800 scfm air, 8 bph mist, 1 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 to 3 bph water gain, 9 down to 4 bucket's per hour off sample catcher, 70% coal & 30% shale.

5/31/2005 00:00 - 5/31/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 2,958' - t/ 3,052' w / air assist, 1,600 to 1,800 scfm air, 6 to 10 bph mist, 1/2 gal foamer, 1/4 gal of corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 to 3 bph water gain, 10 down to 4 bucket's per hour off sample catcher, 75% coal & 25% shale.

6/1/2005 00:00 - 6/1/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 3,052' w / air assist, 1,500 to 1,800 scfm air, 6 to 10 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med to light coal & shale w / 2 to 3 bph water gain, 5 down to 1 bucket's per hour off sample catcher, 75% to 85% coal, puh inside 7" csg & test well.

flow test

time	=	manifold	=	pitot	=	mcfd	=	water
15 min's	=	10#	=	2.50#	=	970	=	med mist
30 min's	=	12#	=	3.00#	=	1065	=	light mist
45 min's	=	14#	=	3.50#	=	1150	=	dry
1 hr	=	14#	=	3.50#	=	1150	=	dry

bad test well bridged or logging off = water stopped

shut in to build pressure test

time	=	pressure
isip	=	15#
15 min's	=	75#
30 min's	=	120#
45 min's	=	170#
1 hr	=	210#

bad test well bridged or logged off

rih from 7" csg & tag @ 2,895', r&r c/o f/ 2,895' - t/ 2,927' w / air assist, 1,200 to 1,500 scfm air, 6 to 10 bph mist, 1 gal foamer, 1 gal polymer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 bph water gain, 9 down to 5 bucket's per hour off sample catcher, 60% to 70% coal.

6/2/2005 00:00 - 6/2/2005 00:00
Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o & condition hole f/ 2,895' - t/ 2,927' w / air assist, 1,500 scfm air, 8 bph mist, 1 gal foamer, 1 gal polymer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 bph water gain, 9 down to 4 bucket's per hour off sample catcher, 50% to 60% shale.

6/3/2005 00:00 - 6/3/2005 00:00
Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o & condition hole f/ 2,895' - t/ 2,927' w / air assist, 1,500 scfm air, 6 to 8 bph mist, 1 gal foamer, 1 gal regular polymer, 1 gal emi 744 polymer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med coal & shale w / 2 bph water gain, 5 down to 3 bucket's per hour off sample catcher, 50% shale. puh for bop drill & safety meeting, service rig & air equipment, rih tag @ 2,908'. r&r c/o & condition hole f/ 2,895' - t/ 2,927' w / same result's as above.

6/4/2005 00:00 - 6/4/2005 00:00
Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o & condition hole f/ 2,895' - t/ 3,052' w / air assist, 1,500 scfm air, 6 to 8 bph mist, 1 gal foamer, 1 gal regular polymer, 1 gal emi 744 polymer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med coal & shale w / 2 to 4 bph water gain from bottom coal, 6 down to 2 bucket's per hour off sample catcher, 50% to 60% coal.

6/5/2005 00:00 - 6/5/2005 00:00
Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 3,052' - t/ 3,128' td w / air assist, 1,500 scfm air, 8 to 10 bph mist, 1 gal foamer, 1 gal regular polymer, 1 gal emi 744 polymer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med coal & shale w / 2 to 4 bph water gain, 6 down to 2 bucket's per hour off sample catcher, 65% coal.

6/6/2005 00:00 - 6/6/2005 00:00
Last 24hr Summary

c/o & condition hole to td, puh, test well, rih tag @ 2,905', c/o & condition hole t/2,927'

6/7/2005 00:00 - 6/7/2005 00:00
Last 24hr Summary

c/o & condition hole to td, puh, flow well, rih tag @ 2,920', r&r c/o & condition hole to 2,958' w / air assist

6/8/2005 00:00 - 6/8/2005 00:00
Last 24hr Summary

c/o & condition hole to t/ 3,128' td

6/9/2005 00:00 - 6/9/2005 20:00
Last 24hr Summary

r&r c/o & condition hole to td, short trip, cooh w / dp, dc's & bha, ru 5 1/2" equipment, test, run liner to td, circ off top of liner, rd power swivel, cooh laying down pipe.

6/10/2005 07:00 - 6/10/2005 19:00
Last 24hr Summary

ru equipment, test, pu tubing, c/o to td, cooh, ru perf equipment, test, log & perf liner, rih w / tubing to 2,823', s.d.o.n.

6/11/2005 07:00 - 6/11/2005 19:00
Last 24hr Summary

c/o to td, cooh, rih land tubing, nd & nu wellhead, run pump & rod's, space out , test pump & tubing, space out & hang off on stuffin box. s.d.o.n.

6/12/2005 07:00 - 6/12/2005 17:00
Last 24hr Summary

rd & released rig & equipment