Form 3160-4
(August 1999)

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. NMSF078282

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 JUN 27 PM 3 01

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no. NMNM78415A

2. Name of Operator
ConocoPhillips Co.

RECEIVED
070 FARMINGTON NM

8. Lease Name and Well No.
San Juan 29-5 Unit 32F

3. Address
P.O. Box 2197, WL3-6081 Houston Tx 77252

3.a Phone No. (include area code)
(832)486-2463

9. API Well No.
30-039-27538

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface Sec 29 T29N R5W SENW 2280FNL 1970FWL

JUL 2005
OIL CONS. DIV.
DIST. 3

10. Field and Pool, or Exploratory
Basin Dakota

At top prod. interval reported below

11. Sec., T., R., M., on Block and Survey or Area Sec 29 T29N R5W

At total depth

12. County or Parish Rio Arriba
13. State NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed: ☐ D & A ☒ Ready to Prod.	17. Elevations (DF, RKB, RT, GL)*
03/01/2005	03/09/2005	06/05/2005	6647

18. Total Depth: MD 8015 TVD	19. Plug Back T.D.: MD 8000 TVD	20. Depth Bridge Plug Set: MD TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
CBL; TDT; GR/CCL

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 H40	32.3	0	230		150		0	
8.75	7 J-55	20	0	3863		620		0	
6.25	4.5 N-80	11.6	0	8012		470		2500	

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	7910							

25. Producing Intervals

	Formation	Top	Bottom
A)	Basin Dakota	7902	7922
B)			
C)			
D)			

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
7902' - 7922'	.34	80	Open

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

Depth Interval	Amount and Type of Material
7902' - 7922'	Frac'd w/Slickwater @ 1.25g/mg FR, 35,000# 20/40 Econoprop

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
	6/5/05	24	→	0	321	5			Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
1/2	SI 85	480	→					GSI

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
			→					

ACCEPTED FOR RECORD
JUN 30 2005
FARMINGTON FIELD OFFICE
BY

NMOCD

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

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.)*
Vented

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porsity and contents thereof: Cored intervals and all drill-stem tests, inlcuding 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	1515
				Ojo Alamo	2760
				TJG Fruitland	3268
				Pictured Cliff	3574
				Chacra/Otero	4560
				Cliffhouse TS	5283
				Menefee	5472
				Pt Lookout	5750
				Gallup	7010
				Greenhorn	7711
				Cubero	7895

32. Additional remarks (include plugging procedure):

This is a downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Daily summary report and Wellbore schematic are attached.

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)* Christina Gustartis Title Regulatory Analyst

Signature Chris Gustartis 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 fradulent statements or representations as to any matter within its jurisdiction.

JUN 30 2005

ConocoPhillips

Regulatory Summary

SAN JUAN 29 5 UNIT #032F

Initial Completion, 03/17/2005 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
300392753800	RIO ARRIBA	NEW MEXICO	NMPM-29N-05W-29-F	2,280.00	N	1,970.00	W

Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date
6,647.00	36° 41' 51.396" N	107° 22' 56.676" W	03/01/2005	03/10/2005

03/17/2005 06:00 - 03/17/2005 00:00

Last 24hr Summary

HELD PRE-JOB SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP ON CSG TO 1500 #. RAN CBL LOG FROM 8010' TO 2260'. TOP OF CEMENT @ 2500'. RAN TDT LOG FROM 8010' TO 2700'. RAN GR/CCL LOG FROM 8010' TO SURFACE. SWI. RD SCHLUMBERGER.

04/09/2005 07:00 - 04/09/2005 10:00

Last 24hr Summary

HELD PRE-JOB SAFETY MEETING. RU ISOLATION TOOL. TESTED 4 1/2" CSG TO 6700 # FOR 30 MIN. HELD OK. RD ISOLATION TOOL. SWI.

05/06/2005 12:00 - 05/06/2005 15:00

Last 24hr Summary

Held safety meeting. RU Comutalog. Perforated the Dakota. RIH W/ 3 1/8" 120 degree pp Select fire perforating gun. Perforated from 7902' - 7922' W/ 4 SPF. A total of 80 holes @ 0.34 DIA. SWI. RD Computalog.

05/07/2005 06:00 - 05/07/2005 19:00

Last 24hr Summary

Held safety meeting. RU Halliburton & Isolation tool. Fac'd the Dakota. Tested lines to 7649 #. Set pop off @ 6000 #. Broke down formation @ 5 bpm @ 2305 #. Pump pre pad @ 40 bpm @ 2553 #. Stepped down rate to 30 bpm @ 2036 #. Stepped down rate to 20 bpm @ 1803 #. Stepped down rate to 10 bpm @ 1564 #. ISIP 1516 #. 5 min 898 #. 10 min 537 #. 15 min 295 #. 20 min 199 #. 25 min 88 #. 30 min 0 #. Pumped 1000 gals of 15% HCL acid @ 5 bpm @ 1085 #. Frac'd the Dakota w/slickwater @ 1.25 g/mg FR, 35,000 # 20/40 Econoprop. treated 100% of proppant volume with sandwedge. & 3395 bbls fluid. Avg rate 50 bpm. Avg pressure 3427 #. Max pressure 3860 #. Max sand cons .40 # per gal. ISIP 2435 #. Frac gradient .64. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 5978'. Tested plug to 4800 #. Held ok. Perforated the Mesaverde w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 5386' - 5390' w/ 1/2 spf, 5402' - 5404' w/ 1/2 spf, 5449' - 5461' w/ 1/2 spf, 5490' - 5494' w/ 1/2 spf, 5755' - 5763' w 1/2 spf, 5782' - 5794 w/ 1/2 spf, 5810' - 5818' w/ 1/2 spf, 5870' - 5878' w/ 1/2 spf. A total of 37 holes w/ 0.34 dia. RD Computalog.

05/08/2005 06:00 - 05/08/2005 10:00

Last 24hr Summary

Held safety meeting. RU Halliburton & Isolation tool. Frac'd the Mesaverde. Tested lines to 7000 #. Set pop off @ 6000 #. Broke down formation @ 6 bpm @ 2399 #. Pumped pre pad @ 40 bpm @ 1623 #. Stepped down rate to 30 bpm @ 688 #. Stepped down rate to 20 bpm @ 214 #. Stepped down rate to 10 bpm @ 112 #. ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 5 bpm @ 0 #. Frac'd the Mesaverde w/ 60 Q slick foam w/ 1 g/mg FR, 200,000 # 20/40 Brady sand, Treated the last 25% of proppant volume with Sandwedge for proppant flowback control, 2,176,910 SCF N2 & 2169 bbls fluid. Avg rate 63 bpm. Avg pressure 2967 #. Max pressure 3454 #. Max sand cons 1.50 # per gal. ISIP 2389 #. Frac gradient .44. SWI. RD Halliburton & Isolation tool. Started flowback.

05/23/2005 07:00 - 05/23/2005 18:00

Last 24hr Summary

SICP= 580#
PJSM w/ crews, discussed days events and ways to prevent incident. Filled out and reviewed JSA.
Check location for hazards and LEL's. Spot Key rig # 15. Ru unit. RU pump and hard line to csg. Check surface and intermidiate casings for psi. None found. SICP= 580#. BWD to 250#. Kill csg w/ 30 bbl 2% KCL. Set tbg hanger thru frac valve. ND frac stack, NU BOPE. RU blooie T and blooie lines. RU air unit and all 2" hard lines. Place concrete blocks. Load BOP w/ water. Test blind rams to 250# and 3K. Mu tbg. jt.(Pipe rams will not test.) R&R pipe ram rubbers and door seals. Pipe rams still not testing. Open doors and inspect BOP body and function test rams w/ doors open. Rams not closing properly. Called for replacement BOP. Will install in the AM. Secure well SDFN.

05/24/2005 07:00 - 05/24/2005 19:00

Last 24hr Summary

SICP= 580#
PJSM w/ crews, discussed days events and ways to prevent incident. Filled out and reviewed JSA. ND BOPE and replace w/ Townsend 3k BOP. Load w/ water. Test blind and pipe rams to 250# low and 3K high. Charted test. Test was good. Witnessed by G.Maez w/ Key energy services. BWD, kill csg w/ 20 bbl. Pooh w/ hanger. MU and TIH picking up w/ MS collar, 1.81" FN, and 181 jts 2 3/8" tbg. Tag fill @ 5694'. Break circulation w/ air. Unload hole. C/O fill from 5694' to CBP @ 5978'. Circulate clean. Pooh w/ 22 jts 2 3/8" tbg. Secure well SDFN.

05/25/2005 07:00 - 05/25/2005 17:00

Last 24hr Summary

PJSM w/ crews, discussed days events and ways to prevent incident. Filled out and reviewed JSA. SICP= 500#, SITP= 480# BWD, Tih and tag 15' fill @ 5963'. . Break circulation w/ air. Unload hole C/O fill from 5963' to CBP @ 5978'. Circulate clean. PUH to 5267'. (119' above top MV perf.) PJSM w/ Protechnics and H&H wireline. RU wireline. RIH w/ EOT locator. Tag w/ no fill @ 5979'. PUH and find EOT @ 5268'. Pooh. Ru Protechnics memory Production logging tools w/ temp/psi probes and fluid gradient. RIH to 5336' and get SBHP. Rih below perfs. Open well flowing up tbg w/ 1/2" choke @ surface. Wait for pressure to stabilize - FTP=160# ,SICP= 520#. Log MV interval w/ 6 passes @ varied speeds. Pooh w/ tools. LD and retive data. Release service companys.
BWD, Tooh w/ 120 jts 2 3/8" tbg.
Secure well and SDFN.

05/26/2005 07:00 - 05/27/2005 17:00

Last 24hr Summary

SICP=560#
PJSM w/ crews, discussed days events and ways to prevent incident. Filled out and reviewed JSA. BWD, Continue to tooh w/ 47 jts 2 3/8" tbg. MU and Tih w/ 3 7/8" mill, bit sub and 187 jts 2 3/8" tbg. Tag w/ 45' fill.(sand bridge) Break circulation w/ air/mist. Unload hole and c/o to CBP @ 5978'. Circulate clean. PUH to 5805'. Open well flowing up csg annulas w/ 1/2" choke @ surface. Flow test MV formation for 4 hrs to atmosphere. (TEST IS FOR MV ALLOCATION .) Test is as follows.
MV perfs- 5386' - 5878'.
2 3/8" tbg set @ 5805'
1/2" choke coeficient of 6.6
SITP= 430#
FCP= 200#
MV production = 1320 mcfpd.
0 bopd
7 bwpd
No sand.
Test witnessed by G.Maez w/ Key Energy services. Tih w/ 6 jts and tag 2' fill. Break circulation w/ air. Unload hole. Circulate clean. Pooh above MV perfs. Secure well SDFN.

05/27/2005 07:00 - 05/28/2005 17:00

Last 24hr Summary

SICP= 560#
PJSM w/ crews. Discussed days events and ways to prevent incident.Filled out and reviewed JSA. BWD, TIH w/ tbg and tag fill @ 5960'. Break circulation w/ air. Unload hole, c/o fill to CBP @ 5978'. Circulate clean. Puh to 5805'. RU to flow tbg. Open well flowing up tbg w/ 1/2" choke @ surface. Flow test MV for 3 hrs. ENGINEERING PURPOSES ONLY. Test is as follows:.
MV perfs- 5386'- 5878'.
2 3/8" tbg set @ 5805'.
SICP= 480#
FTP= 120#
Production = 792 mcfpd
0 BOPD
8-10 BWPD
No sand.
BWD, TIH and tag no fill. RU swivel. Drill top off CBP @ 5978'. Pressure increased from 550# to 850#. Lost circulation. Work pipe for 2 hrs trying to get circulation. Unable to get returns. Pooh w/ 1700' tbg. Break circulation w/ air. (45 min to get circulation @ 4278'). Unload hole. TIH w/ 56 jts tbg. Unload hole @ 5960'. Returning heavy fluid. Pooh w/ 24 jts 2 3/8" tbg. Secure well SDFN.

05/31/2005 07:00 - 05/31/2005 11:00

Last 24hr Summary

SICP= 560#.
PJSM w/ crews. Discussed days events and ways to prevent incident. Filled out and reviewed JSA. Bwd, Tih w/ 24 jts and tag fill @ 5970'. Break circulation w/ air. Unload hole. Returning heavy fluid. C/O fill to CBP @ 5978'. RU swivel. Drill out plug. Circulate debris clean. Fluid slowing down. LD swivel. Tih w/ 20 jts 2 3/8" tbg. Employee injured while tripping tbg. SD operations. Secure well. SDFN.

06/01/2005 00:00 - 06/01/2005 00:00

Last 24hr Summary

06/02/2005 07:00 - 06/02/2005 17:30

Last 24hr Summary

SICP= 560#.

PJSM w/ crews. Discussed days events and ways to prevent incident. Filled out and reviewed JSA.
RU tbg pick up line. Tih w/ 2 3/8" tbg and tag fill @ 7878'. Break circulation w/ air mist. Unload hole and c/o fill to PBTD of 8000'. Circulate clean. Tooh standing back . MU and tih drifting every jt w/ approved 1.901" tbg drift, w/ 2 3/8' 1/2 MS expendable ck, 1.81" FN and 240 jts 2 3/8" tbg. Secure well SDFN.

06/03/2005 07:00 - 06/03/2005 17:00

Last 24hr Summary

SICP= 560#.
PJSM w/ crews. Discussed days events and ways to prevent incident. Filled out and reviewed JSA.
Continue to tih drifting w/ tbg and tag fill @ 7990'. Break circulation w/ air. Unload hole. C/O fill to PBTD of 8000'. Circulate clean. Pooh w/ 5 jts to 7791'. Pump 3 bbl kcl, drop ball. Pressure up to 750# and hold for 5 min to test tbg. Pressure up and pump out ck @ 900#. Blow around to unload fluid. PJSM w/ slick line and logging crews. RU H&H wire line. Rih w/ EOT locator and tag @ 8003'. Puh and find EOT @ 7792'. Pooh . Ru Protechnics memory logging tools. RIH to 7852' Record SBHP for 15 min. Rih below perfs. Open well to flow to pit w/ 1/2" choke @ surface. Wait for flowing pressure to stabilize. FTP = 10 to 20 # , SICP= 480#. Log DK interval. Pooh and retrive data. Log shows 18' of 20' DK zone to be covered w/ fluid. Contacted Engineering. Decided to blow well around for the week end and re- log on sunday. Secure well SDFN.

06/04/2005 07:00 - 06/04/2005 17:00

Last 24hr Summary

SICP= 560#
PJSM w/ crews. Discussed days events and ways to prevent incident. Filled out and reviewed JSA.

BWD, TIH and tag w/ 2' fill. Break circulation w/ air. Unload hole. C/o 2' fill. Blow well around to unload fluid off DK. Unloaded heavy fluid for 2 hrs, then flow stabilized @ 2-3 bbl / hr. S/D air. Pooh w/ 2 jts . Open well flowing natural up tbg. Well trying to log off. Tih and unload hole. Returned 5-6 bbl H20. Circulate w/ 1-2 bph returns. Cut mist to dry well up. Pooh w/ 4 jts. Open well to flow w/ 1/2" choke @ surface. Tbg. will not flow. Blow well around agin. S/D air. Open tbg. and well starting to flow. Leave well flowing overnight w/ dry watch.

06/05/2005 07:00 - 06/06/2005 17:00

Last 24hr Summary

SICP = 480#, FTP= 85# Release dry watch.

PJSM w/ crews. Discussed days events and ways to prevent incident. Filled out and reviewed JSA.

BWD, Tih and tag no fill. Break circulation w/ air and unload hole. PUH to 7791'. Open well flowing to pit w/ 1/2" choke @ surface. Tbg flowing @ 90#. PJSM w/ Logging crews. RIH w/ EOT locator. Tag no fill. PUH and find EOT @ 7791' Pooh. RU Protechnics memory logging tools. RIH to 7852' Record SBHP for 15 min. Rih below perfs. Open well to flow to pit w/ 1/2" choke @ surface. Wait for flowing pressure to stabilize. FTP = 85 # , SICP= 480#. Log DK interval. Pooh and retrive data. RD service companys. BWD, Drift in hole w/ 3 jts. Ru hanger. Land well w/ 251 jts 2 3/8" tbg w/ SH collars, 1.81" FN, and 1/2 MS re-entry guide, EOT @ 7910' KB. Top of FN @ 7908'. ND BOPE, NU Tbg master valve, Check Seals for leaks. RD equipment and unit. Prep to Move off Location. Turn over to Construction group to build facility.
DK PRODUCTION AS PER PROCESSED PRODUCTION LOG DATA
DK PRODUCTION= 321 MCFPD
5 BWPD
0 BOPD
FINAL REPORT.

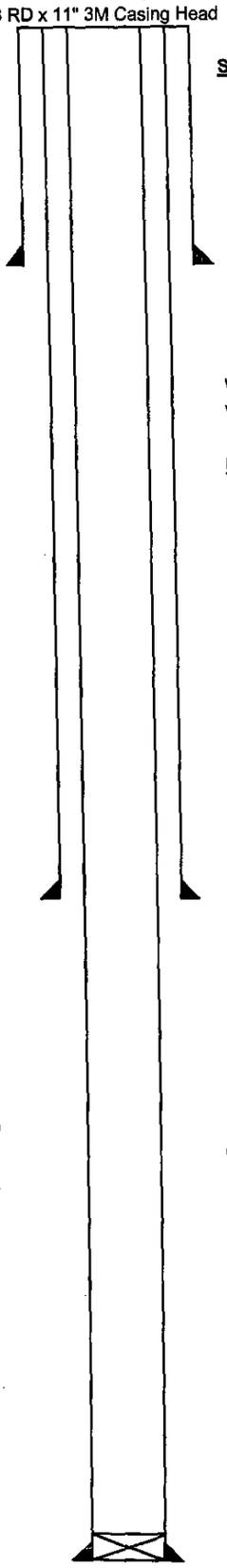
ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 29-5 # 32F
API # : 30-039-27538-00-X1
Location: 2255' FNL & 2120' FWL
Sec. 29 - T29N - R5W
Rio Arriba County, NM
Elevation: 6647' GL (above MSL)
Drl Rig RKB: 13' above Ground Level
Datum: Drl Rig RKB = 13' above GL

Spud: 1-Mar-05
Spud Time: 0:30
Date TD Reached: 9-Mar-05
Release Drl Rig: 10-Mar-05
Release Time: 8:00

11" 3M x 7 1/16" 5M Tubing Head
11" 3M x 11" 3M Casing Spool
9-5/8" 8 RD x 11" 3M Casing Head



[X] New [ ] Used

Surface Casing Date set: 1-Mar-05
Size 9 5/8 in
Set at 230 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 230 ft
TD of 12-1/4" hole 230 ft

Notified BLM @ 8:30 hrs on 28-Feb-05
Notified NMOCD @ 8:30 hrs on 28-Feb-05

SurfaceCement
Date cmt'd: 1-Mar-05
Lead : 150 sx Class B Cement
+ 3% Calcium Chloride
+ 0.25 lb/sx Flocele
1.21 cuft/sx, 181.5 cuft slurry at 15.6 ppg
Displacement: 15.5 bbls fresh wtr
Bumped Plug at: 08:30 hrs w/ 350 psi
Final Circ Press: 210 psi @ 2.0 bpm
Returns during job: YES
CMT Returns to surface: 10 bbls
Floats Held: No floats used
W.O.C. for 6.00 hrs (plug bump to start NU BOP)
W.O.C. for 9.50 hrs (plug bump to test csg)

Intermediate Casing Date set: 6-Mar-05 [X] New [ ] Used
Size 7 in 91 jts
Set at 3863 ft 0 pups
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in Conn STC
Excess Cmt 150 % Top of Float Collar 3820 ft
T.O.C. SURFACE Bottom of Casing Shoe 3863 ft
Pup @ ft TD of 8-3/4" Hole 3864 ft
Pup @ ft

Notified BLM @ hrs on
Notified NMOCD @ hrs on

Intermediate Cement
Date cmt'd: 6-Mar-05
Lead : 390 sx Standard Cement
+ 3% Econolite
+ 10.00 lb/sx Phenoseal
2.88cuft/sx, 1123.2 cuft slurry at 11.5 ppg
Tail : 230 sx 50/50 POZ : Cement
+ 2% Bentonite
+ 6 lb/sx Phenoseal
1.33 cuft/sx, 305.9 cuft slurry at 13.5 ppg
Displacement: 156 bbls
Bumped Plug at: 07:45 hrs w/ 1500 psi
Final Circ Press: 950 psi @ 2 bpm
Returns during job: YES
CMT Returns to surface: 30 bbls
Floats Held: X Yes No
W.O.C. for 6.00 hrs (plug bump to start NU BOP)
W.O.C. for 13.00 hrs (plug bump to test csg)

Production Casing: Date set: 9-Mar-05 [X] New [ ] Used
Size 4 1/2 in 188 jts
Set at 8012 ft 4 pups
Wt. 11.6 ppf Grade N-80
Hole Size 6 1/4 in Conn LTC
Excess Cmt 50 % Top of Float Collar 8010 ft
T.O.C. (est) 3663 Bottom of Casing Shoe 8012 ft
Marker Jt @ 7707 ft TD of 6-1/4" Hole 8015 ft
Marker Jt @ 7697 ft
Marker Jt @ 5234 ft
Marker Jt @ 5224 ft

Notified BLM @ 17:40 hrs on 08-Mar-05
Notified NMOCD @ 17:45 hrs on 08-Mar-05

Production Cement
Date cmt'd: 10-Mar-05
Cement : 470 sx 50/50 POZ : Cement
+ 3% Bentonite Gel
+ 3.5 lb/sx Phenoseal
+ 0.20% CFR-3
+ 0.80% Halad®-9
+ 0.1% HR-5
1.45 cuft/sx, 681.5 cuft slurry at 13.1 ppg
Displacement: 125.8 bbls
Bumped Plug: 01:05hrs w/ 2300 psi
Final Circ Press: 1200 psi @ 1.0 bpm
Returns during job: None Planned
CMT Returns to surface: None Planned
Floats Held: X Yes No

Top of Float Collar 8010 ft
Bottom of Casing Shoe 8012 ft

TD of 6-1/4" Hole: 8015 ft

Schematic prepared by:
Michael P. Neuschafer, Drilling Engineer
11-March-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 @ 185'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 219', 186', 142', 100'.	Total: 4
7" Intermediate	DISPLACED W/ 156 BBLS. DRILL WATER. CENTRALIZERS @ 3854', 3813', 3726', 3640', 3554', 3479', 214', 128', 86'.	Total: 9
	TURBOLIZERS @ 2969', 2926', 2883', 2839', 2797'.	Total: 5
4-1/2" Prod.	NONE.	