

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
 Other \_\_\_\_\_

2. Name of Operator  
ConocoPhillips Co.

3. Address  
P.O. Box 2197, WL3-6085 Houston Tx 77252

4. Location of Well (Report location clearly and in accordance with Federal Requirements)\*  
 At Surface Sec 33 T29N R5W SESW 770FSL 2630FWL  
 At top prod. interval reported below  
 At total depth

14. Date Spudded 11/06/2005  
 15. Date T.D. Reached 11/12/2005  
 16. Date Completed  D & A  Ready to Prod. 12/22/2005

18. Total Depth: MD 7893 TVD  
 19. Plug Back T.D.: MD 7887 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	H-40	32.3	0	236		150		0	
8.75	J-55	20	0	3806		635		0	
6.25	N-80	11.6	0	7888		500		2600	

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	7760.16'	KB						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	7758	7848	7758' - 7848'	.34	66	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7758' - 7848'	Frac'd w/Slickwater @1.25g/mg FR; 35,000# 20/40 Carbolite sand & 3438 bbls fluid.

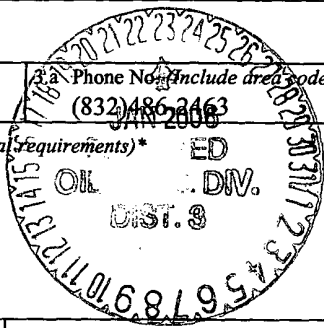
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/22/05	12/20/05	24	→	0	523	38			Flowing
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	110	300	→					Gas Shut-In	

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	
			→						

(See Instructions and spaces for additional data on page 2)



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 OTH ARMINSTON NM

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.)

Vented

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	1350
				Ojo Alamo	2663
				Kirtland	2767
				Fruitland	3241
				Pictured Cliff	3493
				Otero/Chacra	4488
				Cliffhouse	5325
				Menefee	5384
				Pt. Lookout	5684
				Gallup	6951
				Greenhorn	7649

32. Additional remarks (include plugging procedure):

Newly completed downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Daily Summary report is attached.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)   
  Geological Report   
  DST Report   
  Directional Survey  
 Sundry Notice for plugging and cement verification   
  Core Analysis   
  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 Specialist

Signature Chris Gustartis Date 01/04/2006

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.

**Initial Completion, 11/17/2005 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
300392921100		NEW MEXICO	NMPM-29N-05W-33-N	770.00	S	2,630.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,580.00	36° 40' 37.056" N	107° 21' 43.956" W	11/6/2005	11/13/2005			

**11/17/2005 06:00 - 11/17/2005 00:00**

**Last 24hr Summary**

Held safety meeting. RU Schlumberger. Pressured up on 4 1/2" CSG to 1500 #. Ran CBL log from 7880' to 2350'. Top of cement @ 2600'. Ran TDT log from 7880' to 2650'. Ran GR/ccl log from 7880' TO surface. RD Schlumberger.

**11/25/2005 08:00 - 11/25/2005 12:00**

**Last 24hr Summary**

Held safety meeting. RU Isolation tool. Tested 4 1/2" csg to 6600 # for 30 min. Held ok. SWI. RD Isolation tool.

**11/27/2005 09:00 - 11/27/2005 12:00**

**Last 24hr Summary**

Held safety meeting. RU Computalog. Perforated the Dakota. RIH w/ 3 1/8" 120 degree pp Select fire perforating gun. Perforated from 7758' - 7769' W/ 2 SPF, 7814' - 7818' W/ 2 SPF, 7830' - 7848' w/ 2 spf. A total of 66 holes @ 0.34 DIA. SWI. RD Computalog.

**11/28/2005 07:00 - 11/28/2005 16:00**

**Last 24hr Summary**

Held safety meeting. RU Schlumberger & Isolation tool. Fac'd the Dakota. Tested lines to 7600 #. Set pop off @ 6250 #. Broke down formation @ 5 bpm @ 2340 #. Pump pre pad @ 35 bpm @ 2743 #. Stepped down rate to 30 bpm @ 2338 #. Stepped down rate to 25 bpm @ 1860#. Stepped down rate to 20 bpm @ 1593 #. Stepped down rate to 15 bpm @ 1410 #. ISIP 1237 #. 5 min 232 #. 10 min 0 #. Pumped 1000 gals of 15% HCL acid @ 6 bpm @ 877 #. Frac'd the Dakota w/slickwater @ 1.25 g/mg FR, 35,000 # 20/40 Carbolite sand & 3438 bbls fluid. Avg rate 50 bpm. Avg pressure 3608 #. Max pressure 4100 #. Max sand cons .40 # per gal. ISIP 2695 #. Frac gradient .66. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 5923'. Tested plug to 4800 #. Held ok. Perforated the PL w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 5686' - 5702' w/ 1 spf, 5712 - 5721' w/ 1 spf, 5728' - 5734' w/ 1 spf, 5738' - 5759' w/ 1 spf, 5799' - 5804' w 1 spf, 5816' - 5823' w/ 1 spf. A total of 70 holes w/ 0.34 dia. RD Computalog.

**11/29/2005 07:00 - 11/29/2005 16:00**

**Last 24hr Summary**

Held safety meeting. RU Schlumberger & Isolation tool. Frac'd the Point Lookout. Tested lines to 7600 #. Set pop off @ 6250 #. Broke down formation @ 5 bpm @ 1316 #. Pumped pre pad @ 30 bpm @ 456 #. Stepped down rate to 25 bpm @ 173 #. Stepped down rate to 20 bpm @ 0 #. ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 10 bpm @ 0 #. Frac'd the Point Lookout w/ 60 Q slick foam w/ 1 g/mg FR, 150,000 # 20/40 Brady sand, Treated the last 15% of proppant volume with proppnet for proppant flowback control, 1,642,900 SCF N2 & 1786 bbls fluid. Avg rate 60 bpm. Avg pressure 2726 #. Max pressure 3096 #. Max sand cons 1.50 # per gal. ISIP 914 #. Frac gradient .44. RU Computalog. RIH w/ 4 1/2" composite plug. Plug set while RIH @ 3197'. Attempted work plug loose. Put pressure on top of plug but could not pull composite plug. Pulled out of rope socket. Pooh w/ E-line. Pressured up on plug to 4800 #. Held ok. SWI. RD Computalog & Schlumberger.

**12/2/2005 13:30 - 12/2/2005 17:00**

**Last 24hr Summary**

Checked location for LEL before MI equipment. PJSM w/ Dawn Trucking and Rig Crew. Discussed potential hazards of rigging up and spotting equipment, and filled out JSA. Spot equipment and unit. R/U Key 15. Secure Well, SDFN

**12/3/2005 07:00 - 12/3/2005 17:00**

**Last 24hr Summary**

PJSM w/ rig crew. Discussed days events, potential hazards, and ways to prevent incidents. BWD, N/D Frac Valve, N/U BOP. Pressure test Blinds and Pipe rams 200# low and 3000# High, witnessed by Mike Pantojas w/ Key Energy. PJSM w/ Knight Fishing Service, and crew. Discussed hazards assoc. w/ PU drlg. collars and fishing tools. RIH w/ Overshot 3-7/8" OD w/upper ext. Dressed w/ 3-1/8" Spiral Grapple, w/2-1/4" Stop, 3-1/8" Bumper Sub, 3-1/8" Jar,X-overSub, 4-3-1/8" Spiral Drlg. Collars, X-over Sub, and 101 joints 2-3/8" Tbg. to tag Fish. Tagged TOF @3222'. Latched onto fish, jarred free, POOH w/ 40 joints 2-3/8" tbg. Secure Well, Drain all equipment, SDFN.

**12/4/2005 07:00 - 12/4/2005 17:00**

**Last 24hr Summary**

SICP-300#  
PJSM w/ crews, discussed days events and filled out JSA. BWD, POOH w/ 61 jts 2-3/8" Tbg, S/B DC, LD fish, and BHA. Released pressure from setting tool, Release tool from overshot. TIH w/ DC, POOH LD to Float. Move float for DC, Re-spot BOP skid. RU Power swivel.PJSM w/crew to discuss MU BHA and milling CBP.MU 3-7/8" OD-3 Bladed junk mill, Serial #KF 2701, 2-3/8" OD 8 rd X 2-3/8" OD reg bit sub, and 105 jts. 2-3/8" OD 4.7# J-55 tbg. Tag plug @ 3222'. Establish circ. w/air/mist. Drill out CBP @ 3222', SD air unit. LD swivel. Continue to TIH PU from float, push remainder of plug to 4810'. TOH w/ 20 jts 2-3/8" tbg . Secure well, SDFN.

**12/5/2005 07:00 - 12/5/2005 17:00**

**Last 24hr Summary**

SICP 650#  
PJSM w/crew. Discussed days events, and ways to prevent incidents. Filled out JSA. BWD. TIH w/tbg to push remainder of CBP to 5830'. POOH, standing back w/ 189 jts 2-3/8" 4.7# tbg. PJSM w/Computalog, and rig crew. MU and RIH w/ Halliburton 4" CBP and set @ 5625'. POOH w/e-line. Load hole w/87 bbls 2%KCL H2O. ND BOP, NU Frac Stack. Load hole, P/T CBP, and Frac Stack to 4800#. Test was good. Bleed down pressure.. Move BOP skid and tbg float. PJSM w/wireline, and rig crew. MU & RIH to perforate Men/Ch Interval, w/ 3-1/8" SF PP 90 deg charge w/Owen 302g @ 0.34" dia. Perforations @ 5414-5426', 5440'-5450', 5537'-5549',5593'-5603'. Not enough time to finish perforating. Will finish in the AM. Secure well SDFN.

**12/6/2005 07:00 - 12/6/2005 17:00**

**Last 24hr Summary**

SICP= 50#.  
 PJSM w/ Computalog. Discussed days events and ways to prevent incident. Filled out and reviewed JSA.  
 MU & RIH to perforate Ch Interval, w/ 3-1/8" SF PP 90 deg w/Owen 302g @ 0.34" dia. charges. Perforate CH w/ 1/2 spf as follows: 5302'-5312', 5352'-5366', 5377'-5381', 5390'-5394', 5398'-5402'. For a total of 23 holes in CH formation. POOH w/ e-line. RD Computalog and release. PJSM w/ Rig crew, and Schlumberger frac crew. RU upper frac valve and Y. RU rig floor and stairs.  
 PJSM w/ Schlumberger. RU Schlumberger frac equipment to frac MEN/CH. Tested lines to 5600 #. Set pop off @ 4500 #. Broke down formation @ 9 bpm @ 1531 #. Pumped pre pad @ 30 bpm @ 1398 #. Stepped down rate to 20 bpm @ 623 #. Stepped down rate to 11 bpm @ 92#. ISIP 0 #.  
 Pumped 1000 gals of 15% HCL acid @ 6.5 bpm @ 70 #. Frac'd the MEN/CH w/ 60 Q slick foam w/ 1 g/mg FR, 150,000 # 20/40 Brady sand, Treated the last 15% of proppant volume with propnet for proppant flowback control, 1,760,100 SCF N2 & 1698 bbls fluid. Avg rate 65 bpm. Avg pressure 2750 #. Max pressure 3018 #. Max sand cons 1.7 # per gal. ISIP 1666#. Frac gradient .5  
 Secure well. Post job safety MTG. RD Schlumberger. SDFN

**12/7/2005 07:00 - 12/7/2005 17:00**

**Last 24hr Summary**

SICP= 1100#  
 PJSM w/rig crew, Dawn Trucking, Basic Air. Discussed days events, ways to prevent incidents, reviewed and filled out JSA. Respot float, BOP skid, Junk basket, Empty Flow back tank to reserve pit, top off rig tank. RU FLOW back line w/ 1/4" choke. Start flowing back MV frac @ 1100#. 2nd hourly reading, 1000#, no sand, lite mist. 3rd hr reading, 900#, no sand, lite mist. 4th hr. reading, 875#, no sand, lite mist. 5th hr. reading, 825#, no sand, 45 bbls frac load. Change to 1/2" choke, and continue Flow back, 790#, trace sand, 2 bbls frac load. 6th hr. reading 750#, 2 bbl frac load, trace sand. 7th hr. reading, 575#, 7 bbl frac load, 8th hr reading, 525#, 43 bbl frac load, trace sand. final reading, 500#, 3' in FB tank. Secure well, SDFN.

**12/8/2005 07:00 - 12/8/2005 17:00**

**Last 24hr Summary**

SICP= 1000#  
 PJSM w/rig crew, Dawn Trucking, Basic Air. Discussed days events, ways to prevent incidents, reviewed and filled out JSA.  
 Thaw out rig pump. Open well flowing on 1/2" choke, and blow well down to 310#. Kill csg w/ 50 bbl 2% kcl. Land test plug in hanger. Lock into place. ND frac stack, Nu 3" spool and BOPE. Wood group changed out faulty valve stem on 3" spool. RU 3' connections to FB tank. RU soft line and drain FB tank into reserve pit.  
 Load BOPE w/ water pressure test both blind and pipe rams to 200# low and 3000# high. as per h Phillips well control manuel. Test was good. Witnessed by M. Pantojas w/ Key Energy Services. Check csg pressure 275#. Kill w/ 20 bbl 2% KCL. Pooh w/ plug. MU and rih w/ 3 7/8 " mill , bit sub and 94 jts 2 3/8" tbg. Secure well. Drain all equipment. SDFN.

**12/9/2005 07:00 - 12/9/2005 17:00**

**Last 24hr Summary**

SICP= 800#  
 PJSM w/ crews. Discussed days events, and ways to prevent incidents. Reviewed and filled out JSA. Heat wellhead and rig pump w/ exhaust. BWD to 0#, well flowing water. TIH w/ 46 jts 2-3/8" 4.7# tbg. Tagged sand @ 5580'. Thaw out Basic Air booster pump. C/O w/ air/mist consisting of 1150 cfm air, 1.5 gal/hr corrosion inhibitor, 1 gal/hr soap, 10bbl/hr mist. R/U power swivel, P/U 2 jts 2-3/8" 4.7# tbg, continue C/O to CBP @ 5625', tag CBP 14' out on jt 142. MU CBP. CO w/ air/mist consisting of 1150 cfm, 10bbl/hr, mist, 1.5 gal/hr corrosion inhibitor, 1 gal/hr soap. TIH w/ 6 jts 2-3/8" 4.7# tbg off float to C/O PLO @ 5809'. POOH w/ 20 Jts 2-3/8" 4.7# tbg to 5189'. Secure well. Drain and flush all equipment. SDFWE.

**12/12/2005 07:00 - 12/12/2005 17:00**

**Last 24hr Summary**

PJSM w/ crews. Discussed days events, and ways to prevent incidents. Reviewed and filled out JSA. Thaw out equipment. BWD. TIH w/ 21 jts 2-3/8" 4.7# tbg., tag fill @ 5835.52'. RU Power swivel, C/O w/ 3 jts 2-3/8" 4.7# w/ air-mist to CBP @ 5923'. Circ. hole clean w/ air-mist. RD power swivel. POOH w/ 2-3/8" 4.7# tbg. and LD 3-7/8" mill. MU BHA w/ 1.81" F Nipple w/ slickline plug and Muleshoe. TIH w/ 104 jts 2-3/8" 4.7# tbg. Secure well, drain and blow out all equipment. SDFN.

**12/14/2005 07:00 - 12/14/2005 17:00**

**Last 24hr Summary**

PJSM w/ crews. Discussed days events and ways to prevent incidents. Reviewed and filled out JSA. Thawed out equipment. BWD, TIH w/ 87 jts 2-3/8" 4.7# tbg., tag CBP @ 5923'. POOH w/ 9 jts 2-3/8" 4.7# tbg. to 5696' Load tbg. w/ 8 bbls 2% KCL water. RU Slickline unit, RIH w/ Slickline to pull plug. POOH w/ Slickline plug. Unload hole w/ air-mist. Shutdown air unit.  
 Flow Test MV formation as follows:  
 MV perforations- 5302' to 5823'  
 Set tbg. Depth- 5696'  
 SICP- 600#  
 FTP- 280# (280# X 6.6 Choke Coef.= 1.848 MSCF/D)  
 BOWPD- 1  
 BODPD-1  
 Test witnessed by Mike Pantojas w/ Key Energy Services  
 BWD, Kill well w/ 2% KCL water. POOH w/ 2-3/8" 4.7# tbg., standing back. Secure well, Drain and blow out equipment. SDFN.

**12/15/2005 07:00 - 12/15/2005 17:00**

**Last 24hr Summary**

SCIP= 710#  
 PJSM w/ rig crew, Basic Air, Dawn Trucking. Discussed days events and ways to prevent incidents. Reviewed and filled out JSA. BWD. Killed well w/ 2% KCL water. MU BHA as follows: 3-7/8" bladed junk mill, 2-3/8" 8rd X 2-3/8" reg bit sub, 2-3/8" 4.7# J-55 Prod tbg. TIH w/BHA and tbg to tag fill over CBP. Tag fill @ 5916.68' w/191 jts tbg. RU power swivel, CO fill on top of CBP @ 5923' w/ air-mist. DO CBP and circ. debris clean w/air-mist. Continue TIH to tag fill in Dakota. Tag fill @ 7842.30'. PUH above MV perms. @ 5200'. Secure well, drain equipment, SDFN.

**12/16/2005 07:00 - 12/16/2005 17:00**

**Last 24hr Summary**

SICP= 720#

PJSM w/rig crew and Basic Air. Discussed days events and ways to prevent incidents. BWD. TIH w/BHA and 2-3/8" 4.7# J55 tbg. Tagged fill @ 7774'. RU power swivel, CO fill w/air-mist to 7880', circ. clean. RD power swivel. POOH, LD mill. MU BHA consisting of Muleshoe collar, 1.81" F nipple w/expendable check, and 2-3/8" 4.7# prod. tbg., TIH w/BHA and 50 jts, drift tbg. Secure well, Drain and blow out equipment. SDFWE.

**12/19/2005 07:00 - 12/19/2005 17:00**

**Last 24hr Summary**

SICP= 700#

PJSM w/crews. Discussed days events, drifting in tbg to run Profiler Log. BWD, TIH w/2-3/8" 1/2 MS, 1.81" F nipple w/expendable check, and 253 jts 2-3/8" prod. tbg, drifting tbg to PBTD of 7880'. Tag fill @ 7828'. Establish circ w/ air, unload hole w/ 1150 cfm air. C/O fill to PBTD of 7880'. DK making 5# sand /10 minutes, 6 bbl fluid / hr. Circ. clean. PUH to 7658'. Pump 2% KCL water to pump off expendable check. Check off @ 900#. Released H&H Wireline, Pro Technics, decision made to flowback DK rest of day to insure clean-up. TIH to PBTD @ 7880', continue to flow well for clean-up. Trace of sand, 6 bbl fluid/hr. PUH to 7658'. Secure well. Drain and blow down equipment. SDFN.

**12/20/2005 07:00 - 12/20/2005 17:00**

**Last 24hr Summary**

SICP=700#

PJSM w/crews. Discussed days events and ways to prevent incidents. Reviewed and filled out JSA. BWD. TIH w/7jts. Tagged 4' fill, CO fill, unload hole w/ 1150 cfm air. POOH w/8jts to 7653' KB. SWI, (csg. & tbg.) equalize psi. PJSM w/ Pro Technics, H&H Wireline, and crews. RU, RIH w/ H&H EOT locator. Tag no fill. PUH & find EOT @7653'. POOH w/wireline. RU, RIH w/ Protechnics CPL tool to 7708'. Record SBHP for 15 min. FTP=110#, SICP=300# (Fluid Level 7850') Log DK interval w/8 passes @ set speeds. POOH & retrieve data. RD service companies. Secure well. Drain and blowdown equipment. SDFN.

**12/21/2005 07:00 - 12/21/2005 17:00**

**Last 24hr Summary**

SICP= 700#

PJSM w/crews. Discussed days events and ways to prevent incidents. Reviewed and filled out JSA. BWD. TIH w/7 jts tbg., tagged 20' fill. CO fill w/1150cfm air-mist. MU tbg hanger, land well w/249 jts 2-3/8" 4.7# J55 tbg., (1) 8" sub, (1) 4" sub, 1.81" FN, and 1/2 MS re-entry guide. EOT @ 7760.16' KB. ND BOPE, NU tbg. master valve. Check seals for leaks. RD equipment and unit. Purge air from tbg. and csg. Prep to move to next location. Secure well. SDFN.

**12/22/2005 07:00 - 12/22/2005 17:00**

**Last 24hr Summary**

PJSM w/Rig crew. Basic Air, Dawn Trucking, L&R. Discussed days events. Hazards during R/D and MO of equipment, ways to prevent incidents. RD equipment and unit. Prep to MOLOC. Load equipment & move rig to SJ 29-5 #52G.

Flow test Dakota formation for 4 hours to atmosphere. (Test is for Allocation.)

Test is as follows:

Dakota Perforations= 7758'-7848'

2-3/8" Tbg. set @ 7708'

FTP=110#

SICP=300#

Dakota Production= 523 Mscf/d

38 BWPD

0 BOPD

No Sand

Test Witnessed by Tyrone Daye w/ Protechnics

**END OF WELL SCHEMATIC**

Well Name: San Juan 29-5 #66G  
 API #: 30-039-29211  
 Location: 770' FSL & 2630' FWL  
Sec. 33 - T29N - R5W  
Rio Arriba County, NM  
 Elevation: 6580' GL (above MSL)  
 Drl Rig RKB: 13' above Ground Level  
 Datum: Drl Rig RKB = 13' above GL

Patterson Rig: #749  
 Spud: 6-Nov-05  
 Spud Time: 1:00  
 Date TD Reached: 12-Nov-05  
 Release Drl Rig: 14-Nov-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

**Surface Casing** Date set: 6-Nov-05  
 Size 9 5/8 in  
 Set at 236 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 236 ft  
 TD of 12-1/4" hole 240 ft

New  
 Used

Notified BLM @ 17:30 hrs on 04-Nov-05  
 Notified NMOCD @ 17:30 hrs on 04-Nov-05

**Intermediate Casing** Date set: 10-Nov-05  
 Size 7 in 92 jts  
 Set at 3806 ft 0 pups  
 Wt. 20 ppf Grade J-55  
 Hole Size 8 3/4 in Conn STC  
 Excess Cmt 150 % Top of Float Collar 3761 ft  
 T.O.C. SURFACE Bottom of Casing Shoe 3806 ft  
 Pup @ \_\_\_\_\_ ft TD of 8-3/4" Hole 3808 ft  
 Pup @ \_\_\_\_\_ ft

New  
 Used

Notified BLM @ 17:00 hrs on 08-Nov-05  
 Notified NMOCD @ 17:00 hrs on 08-Nov-05

**Production Casing:** Date set: 13-Nov-05  
 Size 4 1/2 in 183 jts  
 Set at 7888 ft 0 pups  
 Wt. 11.6 ppf Grade N-80  
 Hole Size 6 1/4 in Conn LTC  
 Excess Cmt 50 % Top of Float Collar 7887 ft  
 T.O.C. (est) 3606 Bottom of Casing Shoe 7888 ft  
 Marker Jt @ \_\_\_\_\_ ft TD of 8-3/4" Hole 7893 ft  
 Marker Jt @ \_\_\_\_\_ ft  
 Marker Jt @ \_\_\_\_\_ ft  
 Marker Jt @ \_\_\_\_\_ ft

New  
 Used

Notified BLM @ 11:30 hrs on 11-Nov-05  
 Notified NMOCD @ 11:30 hrs on 11-Nov-05

Top of Float Collar 7887 ft  
 Bottom of Casing Shoe 7888 ft

TD of 8-3/4" Hole: 7893 ft

**Surface Cement**

Date cmt'd: 6-Nov-05  
 Lead : 150 sx Class G Cement  
 + 2% S001 Calcium Chloride  
 + 0.25 lb/sx D029 Cellophane Flakes  
1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg  
 Displacement: 15.0 bbls fresh wtr  
 Bumped Plug at: 08:00 hrs w/ 300 psi  
 Final Circ Press: \_\_\_\_\_  
 Returns during job: YES  
 CMT Returns to surface: 6 bbls  
 Floats Held: No floats used  
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)  
 W.O.C. for 10.00 hrs (plug bump to test csg)

**Intermediate Cement**

Date cmt'd: 10-Nov-05  
 Lead : 405 sx Class G Cement  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 3% D079 Extender  
 + 0.20% D046 Antifoam  
 \_\_\_\_\_  
 + 10.00 lb/sx Phenoseal  
2.72 cuft/sx, 1101.6 cuft slurry at 11.7 ppg  
 Tail : 230 sx 50/50 POZ : Class G Cement  
 + 0.25 lb/sx D130 Polyester Flakes  
 + 2% D020 Bentonite  
 + 1.50 lb/sx D024 Gilsonite Extender  
 + 2% S001 Calcium Chloride  
 + 0.10% D046 Antifoam  
 + 6 lb/sx Phenoseal  
1.31 cuft/sx, 301.3 cuft slurry at 13.5 ppg  
 Displacement: 153 bbls  
 Bumped Plug at: 09:30 hrs w/ 1500 psi  
 Final Circ Press: \_\_\_\_\_  
 Returns during job: YES  
 CMT Returns to surface: 42 bbls  
 Floats Held: X Yes \_\_\_ No  
 W.O.C. for NA hrs (plug bump to start NU BOP)  
 W.O.C. for 8.00 hrs (plug bump to test csg)

**Production Cement**

Date cmt'd: 13-Nov-05  
 Cement : 500 sx 50/50 POZ : Class G Cement  
 + 0.25 lb/sx D130 Polyester Flakes  
 + 3% D020 Bentonite  
 + 1.00 lb/sx D024 Gilsonite Extender  
 + 0.25% D167 Fluid Loss  
 + 0.15% D065 Dispersant  
 + 0.10% D800 Retarder  
 + 0.10% D046 Antifoam  
 + 3.5 lb/sx Phenoseal  
1.45 cuft/sx, 725.0 cuft slurry at 13.0 ppg  
 Displacement: 122 bbls  
 Bumped Plug: 12:45 hrs w/ 1500 psi  
 Final Circ Press: \_\_\_\_\_  
 Returns during job: None Planned  
 CMT Returns to surface: None Planned  
 Floats Held: X Yes \_\_\_ No

Schematic prepared by:  
 Michael P. Neuschafer, Drilling Engineer  
 14-November-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 @ 192'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 226', 149', 105', 62'. Total: 4
7" Intermediate	DISPLACED W/ 153 BBLs. FRESH WATER. CENTRALIZERS @ 3796', 3720', 3638', 3555', 3472', 3390', 183', 139', 98'. TURBOLIZERS @ 2936', 2895', 2858', 2812', 2771'. Total: 9
4-1/2" Prod.	NONE. Total: 5