

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

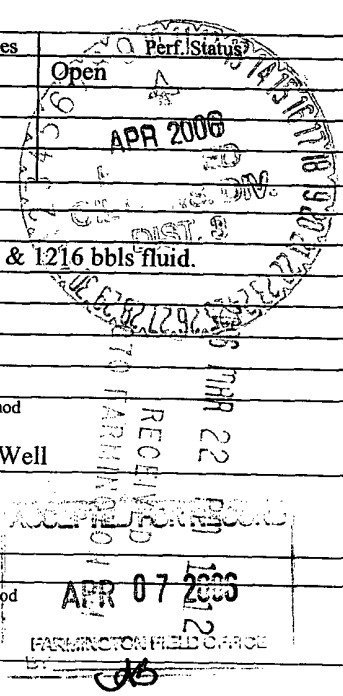
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. NMSF079294			
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 Co.						7. Unit or CA Agreement Name and no. NMAN 78413C			
3. Address P.O. Box 2197, WL3-6085 Houston Tx 77252				3.a Phone No. (Include area code) (832)486-2463		8. Lease Name and Well No. San Juan 28-7 Unit 227F			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface Sec 36 T28N R7W SENE 2210FNL 745FEL At top prod. interval reported below At total depth Sec 36 T28N R7W SENE 2159FNL 1148FEL (Attached is a copy of the Gyro Survey)						9. API Well No. 30-039-27261			
14. Date Spudded 01/09/2006		15. Date T.D. Reached 01/14/2006		16. Date Completed ☐ D & A ☒ Ready to Prod. 03/08/2006		10. Field and Pool, or Exploratory Blanco Mesaverde/Basin Dakota			
18. Total Depth: MD 7728 TVD		19. Plug Back T.D.: MD 7720 TVD		20. Depth Bridge Plug Set: MD TVD		11. Sec., T., R., M., on Block and Survey or Area Sec 36 T28N R7W			
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	9.625 H40	32.3	0	232		150		0	
8.75	7 J-55	20	0	3531		590		0	
6.25	4.5 N-80	11.6	0	7723		470		2100	
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	7379'								
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Basin Dakota		7479'	7675'	7479' - 7675'		.34	64	Open	
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval			Amount and Type of Material						
7479' - 7675'			Frac'd w/70Q ClearFrac; 75,000# 20/40 CarboLite Sand; 2,210,600 SCF N2 & 1216 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
3/8/06	3/3/06	24	→	0	804	2			Flow from Well
Choice Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	210	585	→					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. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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

NMSF079294



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	1231.2
				Kirtland	2579.1
				Fruitland	2945.3
				Pictured Cliff	3227.0
				Otero Chacra	4181.2
				Cliffhouse	4866.6
				Menefee	5015.1
				Pt. Lookout	5428.1
				Gallup	6705.2
				Greenhorn	7375.0
				Cubero	7592.2

32. Additional remarks (include plugging procedure):

New downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Daily summary report, Wellbore Schematic and a copy of the Gyro Survey are attached.

On 1/9/06, tested surface casing for 30 minutes @ 1000psi. Held OK. On 1/12/06, tested intermediate casing for 30 minutes @ 1800psi. Held OK.

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 03/21/2006

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, 1/21/2006 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
300392726100	Rio Arriba	NEW MEXICO	NMPM-28N-07W-36-N	2,210.00	N	745.00	E
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,515.00	36° 37' 4.2" N	107° 31' 3.03" W	1/9/2006	1/15/2006			

1/21/2006 07:00 - 1/21/2006 15:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Pressured up on 4 1/2" CSG to 1500 #. Ran CBL log from 7718' to 2350'. Top of cement @ 2100'. Ran TDT log from 7718' to 2200'. Ran GR/ccl log from 7718' TO surface. RD Schlumberger. Tested 4 1/2" csg to 4050 # for 30 min. Held ok.

1/30/2006 12:00 - 1/30/2006 15:00

Last 24hr Summary

Held safety meeting. RU Isolation tool. pressure tested 4 1/2" csg to 6500 # for 30 min. Held ok. SWI. RD Isolation tool.

2/5/2006 08:00 - 2/5/2006 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 7479' - 7483' W/ 1 SPF, 7491' - 7503' W/ 1 SPF, 7514' - 7519' w/ 1 spf, 7594' - 7612' w/ 1 spf, 7635' - 7642' w/ 1 spf, 7652' - 7658' w/ 1 spf, 7670' - 7675' w/ 1 spf. A total of 64 holes @ 0.34 DIA. SWI. RD Computalog.

2/9/2006 08:00 - 2/9/2006 15:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Frac'd the Dakota. Tested lines to 7600 #. Set pop off @ 6250 #. Broke down formation @ 5 bpm @ 798 #. Pumped pre pad @ 33 bpm @ 2796 #. Stepped down rate to 30 bpm @ 2496 #. Stepped down rate to 25 bpm @ 2147 #. Stepped down rate to 18 bpm @ 1606 #. Stepped down rate to 13 bpm @ 1372 #. ISIP 783 #. Pumped 1000 gals of 15% HCL acid @ 6 bpm @ 1043 #. Frac'd the Dakota w/ 70 Q ClearFrac. 75,000 # 20/40 Carbolite sand. Treated the last 15% of proppant volume with propnet for proppant flowback control, 2,210,600 SCF N2 & 1216 bbls fluid. Avg rate 54 bpm. Avg pressure 5506 #. Max pressure 5984 #. Max sand cons 1.50 # per gal. ISIP 3333 #. Frac gradient .54. Tagged well w/ 3 isotope. tagged pad w/ Scandium. Tagged the .25# - 1.25 # sand w/ Iridium. Tagged the 1.50 # & 1.50 # PN w/ Antimony. SWI. RD Schlumberger. Started flowback.

2/20/2006 10:00 - 2/20/2006 15:00

Last 24hr Summary

Held safety meeting. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 5662'. Tested plug to 4000 #. Held ok. Perforated the Point Lookout w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 5430' - 5437' w/ 1 spf, 5474' - 5480' w/ 1 spf, 5490' - 5521' w/ 1 spf, 5530' - 5538' w/ 1 spf, 5554' - 5562' w/ 1 spf. A total of 65 holes w/ 0.34 dia. SWI. RD Computalog.

2/21/2006 07:00 - 2/21/2006 18:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Frac'd the Point Lookout. Tested lines to 5050 #. Set pop off @ 4050 #. Broke down formation @ 4 bpm @ 3360 #. Pumped pre pad @ 30 bpm @ 908 #. Stepped down rate to 25 bpm @ 485 #. Stepped down rate to 20 bpm @ 278 #. Stepped down rate to 15 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 propnet for proppant flowback control, 1,509,200 SCF N2 & 1805 bbls fluid. Avg rate 55 bpm. Avg pressure 2033 #. Max pressure 2216 #. Max sand cons 1.50 # per gal. ISIP 385 #. Frac gradient .44. RU Computalog. RIH w/ 4 1/2" Retrievable frac plug. Set plug @ 5112'. Tested plug to 2000 #. Held ok. Perforated the Cliffhouse w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 4867' - 4872' w/ 1 spf, 4902' - 4913' w/ 1 spf, 4922' - 4935' w/ 1 spf, 4962' - 4966' w/ 1 spf, 4979' - 5000' w/ 1 spf, 5008' - 5012' w/ 1 spf. A total of 64 holes w/ 0.34 dia. RD Computalog. RU Schlumberger. Frac'd the Cliffhouse. Tested lines to 5050 #. Set pop off @ 4050 #. Broke down formation @ 4 bpm @ 2050 #. Pumped pre pad @ 30 bpm @ 1155 #. Stepped down rate to 25 bpm @ 690 #. Stepped down rate to 20 bpm @ 485 #. Stepped down rate to 15 bpm @ 227 #. Stepped down rate to 10 bpm @ 141 #. ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 8 bpm @ 0 #. Frac'd the Cliffhouse 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, 1,642,600 SCF N2 & 1617 bbls fluid. Avg rate 55 bpm. Avg pressure 2342 #. Max pressure 2427 #. Max sand cons 1.50 # per gal. ISIP 1824 #. Frac gradient .44. SWI. RD Schlumberger. Started flowback.

2/22/2006 10:30 - 2/22/2006 17:00

Last 24hr Summary

SICP= 550#

PJSM w/ Dawn Trucking, L&R, and crews. Discussed hazards during MIRU rig & equipment, and ways to prevent incidents. Checked wellhead for LELS. Spot rig and equipment. RU Key 15 and associated equipment. ND Frac Y & Upper Frac Valve. RU hard line from rig pump to wellhead. RU blowdown line. BWD to 250#. Kill well w/ 60 bbls 2% KCL. Install test hanger. Lock down pins. (trouble locking down pins, will change out next day). ND Lower Frac Valve. NU Mud Cross & BOPE. Secure well. Drain equipment. SDFN.

2/23/2006 07:00 - 2/23/2006 17:00

Last 24hr Summary

SICP= 550#

PJSM w/ Crews and Wood Group. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. BWD. Pump 30 bbl 2% KCL to kill well. ND BOPE. Repair B Section Lock down pins. Wrong pins in B Section, will have to replace B Section before landing tbg. NU BOPE. Flush all lines w/ water. RU high pressure test pump. Test blind & pipe rams to 200# low side, & 3000# high. Test good. Test witnessed by M. Pantojas w/ Key Energy. Pull Test Hanger. MU FTBP retrieving tool on 1st jt. TIH w/ 120 jts. 2-3/8" 4.7# J-55 Production tbg. Tally & PU from float to tag for fill. Secure well. Drain Equipment. SDFN.

2/24/2006 07:00 - 2/24/2006 17:00

Last 24hr Summary

SICP= 550#

PJSM w/ crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. BWD. Pump 60 bbl 2% KCL to kill well. Continue Tally & PU 2-3/8" tbg. to tag fill in CH. Tag fill @ 4973' (39' on perfs, 139' on top of FTBP @ 5112'). PJSM w/ J. Fike w/ Argonaut Oilfield Services. Discussed hazards involved w/ pulling FTBP. Brk circ. w/ air-mist. CO fill w/ 1150cfm air & 10 bph mist & Cl. Circ. well clean. Latch onto FTBP @ 5112', Continue CO fill & equalize pressure. Unseat FTBP, POOH w/ tools & 162 jts 2-3/8" tbg. LD & release FTBP & retrieving tool. MU 1/2 MS & FN w/ slick line plug seated. TIH w/ 60 jts 2-3/8" tbg. Secure well. Drain & blow down equipment. SDFWE.

2/27/2006 07:00 - 2/27/2006 17:00

Last 24hr Summary

SICP= 550#

PJSM w/ crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. BWD. Pumped 50 bbls 2% KCL to kill well. TIH w/ 102 jts 2-3/8" tbg. PJSM w/ H&H Wireline. RU & RIH w/ slick line to pull slick plug. Retrieve plug & POOH w/ slick line. RD wireline. Continue TIH w/ tbg. PU off float, tallying. Tag fill in PLO @ 5615' (Perfs uncovered, 55' on CBP @ 5670'. Break circ. w/ air-mist. CO fill to CBP @ 5670' w/ 1150 cfm air-10bph mist & Cl. SD air unit. PUH to 5340'. RU 2" flowline w/ 1/2" choke on surf. Unload hole. Open well, flowing up tbg for 4 hrs w/ 1/2" choke on surf. (TEST IS FOR ENGINEERING PURPOSES ONLY) Test is as follows:

2-3/8" Production Tbg. set @ 5430'

MV Perforations = 4867'- 5562'

1/2" Choke Coef.= 6.6

FTP= 300#

SICP= 450#

MV Production= 1980 MCFPD

27.7 BWPD

OBOPD

Lite Sand

Test witnessed by M. Pantojas w/ Key Energy.

RD flow line. Kill tbg. w/ 20bbls 2% KCL. PUH standing back 30 jts tbg. Secure well. Drain & blow down equipment. SDFN.

2/28/2006 07:00 - 2/28/2006 17:00

Last 24hr Summary

SICP= 625#

SITP= 520#

PJSM w/ Crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. BWD. Made 2' of water in 3.5 hrs. (104bbls). W/O Wood Group & Baker Oil Tool to change out Tbg. Head. H2S training for rig crew & rig inspection while waiting. PJSM w/ Baker Oil Tool, Wood Group, & crews. RU, RIH w/ Baker Model "EA" Retrievmatic Cementer & set. ND BOPE & Tbg. Head, C/OTbg Head. NU BOPE. RU high pressure pump, flush all lines, to clear. Test Blind & Pipe Rams to 200# low & 3000# high. Test good witnessed by M. Pantojas w/ Key Energy. Pull Baker Model "EA" Retrievmatic Cementer. POOH w/ 150 jts 2-3/8" tbg. MU BHA consisting of 3-7/8" 3 Blade Junk Mill, 2-3/8" reg x 2-3/8" 8rd Bit Sub & 2-3/8" 4.7# J55 Production Tbg. TIH w/ BHA & 150 jts 2-3/8" tbg. Secure well. Drain & blow down equip. SDFN.

3/1/2006 07:00 - 3/1/2006 17:00

Last 24hr Summary

SICP= 600#

PJSM w/ crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. Reviewed Key SOP. BWD. Pump 30 bbls 2% KCL to kill well. Cont. TIH w/ BHA & 2-3/8" tbg. Tag fill in PLO. Tag fill @ 5650' (20' above CBP @ 5662'). Break circ. w/ air-mist. CO fill w/ 1150 cfm air- 12 bph mist & Cl. Circ. clean. DO CBP @ 5662'. Circ debris clean. Cont. TIH, tag fill in Dak. Tag fill @ 7623' (52' covering perfs, 105' on PBTD). PU & Tally off float. CO fill to PBTD @ 7728' w/ 1150 cfm air-12bph mist & Cl. PUH to 4767' standing back 188 jts 2-3/8" tbg. Secure well. Drain & blowdown equipment. SDFN.

3/2/2006 07:00 - 3/2/2006 17:00

Last 24hr Summary

SICP= 625#

PJSM w/ crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. BWD. Pumped 40 bbls 2% KCL to kill well. Continue to POOH w/ BHA & 2-3/8" tbg. MU BHA consisting of 1/2 MS Re-entry Guide, 1.81" FN, & 244 jts 2-3/8" 4.7# J55 Production Tbg., Drifting. Tag fill in Dak. @ 7660'. (15' Perfs. covered, 68' on PBTD). Break circ. w/ air-mist, consisting of 1150 cfm & 10 bph mist & Cl. PUH to 7481' standing back 8 jts tbg. RU flowline w/ 1/2" choke on surf. Drop ball, pump off check. Check pumped off @ 850#. Unload well. Open Dak. flowing up tbg. w/ 1/2" choke on surf.

Naturally unload Dakota. (THIS IS NOT A FLOW TEST)

Unload 8 bbls from well.

RD flowline, Kill well w/ 2% KCL. PUH to 7379' LD 3 jts tbg. Secure well. Drain & blow down equipment. SDFN.

3/3/2006 07:00 - 3/3/2006 17:00

Last 24hr Summary

SICP= 550#

PJSM w/ crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. Reviewed Key SOP. BWD. Pump 40 bbls 2% KCL kill well. TIH w/ 11 jts tbg. tag fill above PBTD. Tag fill @ 7718'. Break circ. w/ air-mist. CO fill to PBTD @ 7628' w/ 1150 cfm air- 10bph mist & Cl. PUH to 7394' standing back 11jts. Unload hole w/ air. RU 2" flowline w/ 1/2" choke on surf. PJSM w/ Protechnics, H&H Wireline, & crews. SWI. Equalize psi. @ 520#.

RU, RIH w/ slickline EOT locator. EOT @ 7394'. Tag fill @ 7626' (2') POOH w/ Slickline EOT. RIH w/ Protechnics CPL & Spectra Scan tools. Drop tool out EOT to 7429'. Record SBHP & SBHT. (Test is for Allocation) SBHP= 821#, SBHT= 201, Fluid level= 7620'. Drop CPL to 7700' (25' below bottom perf @ 7675') PBTD @ 7628'. Open dak flowing up tbg. w/ 1/2" choke @ surf. FTP= 210#, SICP= 585#

DAKOTA PRODUCTION TO BE DETERMINED BY PROCESSED CPL LOG.

Run CPL over Dak. interval (7479'-7675'). Log across Dak. interval from 7726' to 7429' in 8 passes @ set speeds. SWI. Equalize psi. POOH w/ Protechnics & Wireline. Data collection good. RD service companies. Secure well. Drain & BD equipment. SDFWE.

3/6/2006 07:00 - 3/6/2006 17:00

Last 24hr Summary

SICP= 600#

PJSM w/ crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. BWD. Pumped 40 bbls 2% KCL kill well. TIH w/ 11 jts 2-3/8" tbg. to tag fill in Dak. Tag fill @ 7718' (10' on PBD). Brk circ w/ air-mist. Unload hole. CO fill to pbd @ 7728' w/ 1150 cfm air-10bph mist & Cl. SD air unit. PJSM w/ H&H Wireline & ProTechnics. RU, RIH set slickline plug in FN. PUH to 4763' standing back 94 jts 2-3/8" tbg. Pump 8 bbls 2% KCL. RIH w/ slickline to retrieve plug. Unload well w/ air. SWI. Equalize psi. (csg. & tbg.) RIH w/ Slickline EOT locator. Locate EOT @ '. POH. RIH w/ Protechnics CPL tool. Drop CPL out EOT to 5612'. (50' below bottom perf. @ 5562'). Record SBHT & SBHP.

SBHP= 1016#

SBHT= 164

Flow well up tbg. w/ 1/2" choke on surf. Stabilize psi. Run CPL over interval. Log MV interval from 5612' to 4817'. (50' above and below MV). Log w/ 6 passes @ Set speeds. (ENGINEERING PURPOSES ONLY). Test is as follows:

2-3/8" Production Tbg. set @ 4767'

MV Perfs @ 4867'-5562'

1/2" choke coef.= 6.6

FTP= 260#

SICP= 500#

MV Prod.= 1736 MCFPD AS PER PROCESSED CPL LOG.

5 BWP

0 BOPD

Lite Sand

Test witnessed by Tucker Brooks w/ Protechnics.

POOH w/ tools. Retrieve data. Data . RD service Companies. Secure well. Drain & blowdown equipment. SDFN.

3/7/2006 07:00 - 3/7/2006 17:00

Last 24hr Summary

SICP= 600#

PJSM w/ Crews. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. Reviewed Key Energy SOP. BWD. Pump 30 bbls 2% KCL kill well. TIH w/ 75 jts 2-3/8" tbg. Tag fill above PBD @ 7728'. Tag fill @ 7722' (6') on PBD. Break circ. w/ air-mist. CO fill to PBD. SD air unit. RU tbg hanger & land production tbg. w/ MS re-entry guide, 1.81" FN, & 236 jts 2-3/8" 4.7# J55 Production Tbg. EOT @ 7487" KB. Top of FN @ 7485' KB. ND BOPE, NU Master Valve. Purge air from tubulars. Check w/ O2 monitor. Secure well. RD equipment. Too windy to LD unit.

3/8/2006 07:00 - 3/8/2006 17:00

Last 24hr Summary

SICP= 600#

PJSM w/ crews, & L&R Oilfield Services. Discussed days events and ways to prevent incidents. Filled out and reviewed JSA. Discussed rig move safety.

RD Key 15 & move to SJ 28-7 #125F.

Dakota CPL Test Data (For Allocation)

2-3/8" Production Tbg Set @ 7379'

Dakota Perforations 7479'-7675'

FTP= 215#

SICP= 585#

Dakota Production= 804 Mscf/d

2 BWP

0 BOPD

ConocoPhillips
San Juan 28-7 227F
Rio Arriba County, New Mexico
1/20/2006

SEE BOTTOM FOR BHL INFO

Per
Farmington,
this column
J is Azimuth

Depth	TVD	Vert Sec.	Incl.	Azimuth	N/S	E/W	DL / 100	Distance	Depth
100	100	-0.04	0.5	94.7	-0.04	0.43	0.5	0.44	94.97
200	200	-0.3	0.5	238.69	-0.3	0.5	0.95	0.58	121.34
300	299.99	-0.25	0.5	309.55	-0.25	-0.21	0.58	0.33	220.24
400	399.99	-0.19	0.75	250.4	-0.19	-1.17	0.65	1.18	260.6
500	499.98	-0.62	1	256.26	-0.62	-2.63	0.27	2.7	256.74
600	599.95	-1.25	1.5	251.12	-1.25	-4.72	0.51	4.88	255.15
700	699.9	-2.38	2.25	248.97	-2.38	-7.79	0.75	8.14	253.01
800	799.79	-4.24	3	243.82	-4.24	-11.97	0.79	12.7	250.5
900	899.63	-6.5	3.5	248.66	-6.5	-17.16	0.57	18.35	249.24
1000	999.43	-8.7	3.75	250.51	-8.7	-23.08	0.28	24.67	249.34
1100	1099.22	-10.6	3.75	255.8	-10.6	-29.34	0.35	31.19	250.14
1200	1199.01	-11.82	3.75	262.66	-11.82	-35.75	0.45	37.65	251.71
1300	1298.78	-12.87	4	259.51	-12.87	-42.42	0.33	44.33	253.12
1400	1398.5	-14.3	4.5	258.35	-14.3	-49.7	0.51	51.71	253.95
1500	1498.16	-15.61	5	263.19	-15.61	-57.87	0.64	59.93	254.91
1600	1597.7	-16.21	6	269	-16.21	-67.42	1.14	69.34	256.48
1700	1697	-16.22	7.5	270.77	-16.22	-79.17	1.51	80.81	258.42
1800	1796.17	-15.95	7.25	271.65	-15.95	-92	0.27	93.38	260.17
1900	1895.35	-15.6	7.5	271.49	-15.6	-104.83	0.25	105.99	261.54
2000	1994.43	-15.02	8	273.33	-15.02	-118.31	0.56	119.26	262.76
2100	2093.52	-14.01	7.5	275.35	-14.01	-131.75	0.57	132.49	263.93
2200	2192.64	-12.43	7.75	278.33	-12.43	-144.92	0.47	145.45	265.1
2300	2291.66	-10.17	8.25	280.29	-10.17	-158.65	0.57	158.98	266.33
2400	2390.63	-7.24	8.25	283.29	-7.24	-172.69	0.43	172.84	267.6
2500	2489.5	-3.53	9	285.25	-3.53	-187.22	0.81	187.25	268.92
2600	2588.2	0.83	9.5	286.21	0.83	-202.69	0.52	202.73	270.24
2700	2686.75	5.55	10	286.17	5.55	-218.96	0.5	219.03	271.45
2800	2785.23	10.82	10	289.18	10.82	-235.5	0.52	235.74	272.63
2900	2883.75	16.32	9.75	288.17	16.32	-251.74	0.3	252.27	273.71
3000	2982.27	21.95	10	290.16	21.95	-267.94	0.42	268.84	274.68
3100	3080.86	27.7	9.25	290.08	27.7	-283.64	0.75	284.99	275.58
3200	3179.66	33.12	8.5	291.11	33.12	-298.08	0.77	299.92	276.34
3300	3278.53	38.01	8.75	287.04	38.01	-312.25	0.66	314.55	276.94
3400	3377.4	42.53	8.5	288.05	42.53	-326.55	0.29	329.3	277.42
3500	3476.17	46.95	9.5	284.95	46.95	-341.55	1.11	344.76	277.83
3600	3575	50.65	8	283.01	50.65	-356.3	1.53	359.88	278.09
3700	3674.25	53.31	6	282.09	53.31	-368.19	2	372.03	278.24
3800	3773.93	54.95	3	282.17	54.95	-375.86	3	379.86	278.32
3900	3873.85	55.76	1.5	281.18	55.76	-379.7	1.5	383.78	278.35
4000	3973.83	56.2	1	282.11	56.2	-381.84	0.5	385.96	278.37
4100	4073.81	56.43	1	273.05	56.43	-383.57	0.16	387.69	278.37
4200	4173.8	56.64	0.75	284.98	56.64	-385.07	0.31	389.22	278.37
4300	4273.79	56.75	0.75	264.92	56.75	-386.35	0.26	390.5	278.36
4400	4373.79	56.26	0.75	227.85	56.26	-387.49	0.48	391.55	278.26
4500	4473.78	55.7	0.5	254.79	55.7	-388.4	0.38	392.37	278.16
4600	4573.78	55.59	0.5	270.72	55.59	-389.25	0.14	393.2	278.13
4700	4673.77	55.62	0.5	272.66	55.62	-390.13	0.02	394.07	278.11
4800	4773.77	55.78	0.25	311.59	55.78	-390.73	0.34	394.69	278.13
4900	4873.77	56.14	0.25	350.53	56.14	-390.92	0.17	394.94	278.17
5000	4973.77	56.47	0.5	284.46	56.47	-391.38	0.46	395.44	278.21
5100	5073.77	56.39	0.25	148	56.39	-391.69	0.7	395.73	278.19
5200	5173.77	56.21	0	0	56.21	-391.57	0.25	395.59	278.17
5300	5273.77	56.09	0.25	235.87	56.09	-391.75	0.25	395.75	278.15
5400	5373.77	55.78	0.25	212.8	55.78	-392.05	0.1	396	278.1
5500	5473.76	55.22	0.5	210.74	55.22	-392.39	0.25	396.26	278.01
5600	5573.76	54.31	0.75	215.67	54.31	-393	0.26	396.74	277.87
5700	5673.75	53.36	0.75	229.6	53.36	-393.88	0.18	397.48	277.71
5800	5773.74	52.77	0.5	248.54	52.77	-394.78	0.32	398.3	277.61
5900	5873.74	52.01	0.75	203.48	52.01	-395.45	0.53	398.86	277.49
6000	5973.73	51.21	0.5	241.38	51.21	-396.09	0.47	399.39	277.37
6100	6073.73	50.97	0.25	262.27	50.97	-396.69	0.28	399.96	277.32
6200	6173.73	50.82	0.25	238.15	50.82	-397.1	0.1	400.34	277.29
6300	6273.73	50.92	0.25	347.04	50.92	-397.33	0.41	400.58	277.3
6400	6373.73	50.97	0.25	220.92	50.97	-397.52	0.45	400.77	277.31
6500	6473.73	50.82	0.5	271.8	50.82	-398.1	0.39	401.33	277.27
6600	6573.72	50.86	0.25	278.69	50.86	-398.75	0.25	401.98	277.27
6700	6673.72	50.68	0.25	176.57	50.68	-398.95	0.39	402.16	277.24
6800	6773.72	50.47	0.25	272.46	50.47	-399.16	0.37	402.34	277.21
6900	6873.72	50.33	0.25	228.34	50.33	-399.54	0.19	402.7	277.18
7000	6973.72	50.22	0.25	278.23	50.22	-399.92	0.21	403.06	277.16
7100	7073.72	50.34	0.25	292.42	50.34	-400.34	0.06	403.49	277.17
7200	7173.72	50.4	0.25	265.3	50.4	-400.76	0.12	403.91	277.17
7300	7273.72	50.54	0.25	317.18	50.54	-401.12	0.22	404.29	277.18
7400	7373.72	50.63	0.5	260.07	50.63	-401.7	0.42	404.88	277.18
7500	7473.71	50.38	0.25	215.84	50.38	-402.26	0.37	405.4	277.14
7600	7573.71	50.5	0.5	313.61	50.5	-402.7	0.59	405.85	277.15
7700	7673.71	51.14	0.5	321.38	51.14	-403.29	0.07	406.52	277.23 <<<Last Line

Surface Location
2210 FNL
745 FEL

BHL
2159 FNL (BHL is 51.14' north of the surface location - a lesser distance FNL)
1148 FEL (BHL is 403.29' west of the surface location - a greater distance FEL)

BHL is 406.52' from surface location - almost due west. Per Farmington, Column J is Azimuth (final is 277.23 degrees).
This is still a standard location within Unit Ltr. H.

Well Name: San Juan 28-7 #227F
 API #: 30-039-27261
 Location: 2210' FNL & 745' FEL
Sec. 36 - T28N - R7W
Rio Arriba County, NM
 Elevation: 6515' GL (above MSL)
 Dri Rig RKB: 13' above Ground Level
 Datum: Dri Rig RKB = 13' above GL

Patterson Rig: #749
 Spud: 9-Jan-06
 Spud Time: 0:00
 Date TD Reached: 14-Jan-06
 Release Dri Rig: 15-Jan-06
 Release Time: 12:00

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: 9-Jan-06
 Size 9 5/8 in
 Set at 232 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 232 ft
 TD of 12-1/4" hole 240 ft

☒ New
☐ Used

Notified BLM @ 18:45 hrs on 06-Jan-06
 Notified NMOCD @ 18:45 hrs on 06-Jan-06

Intermediate Casing Date set: 3-Jan-06
 Size 7 in 82 jts
 Set at 3531 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 150 % Top of Float Collar 3485 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3531 ft
 Pup @ ft TD of 8-3/4" Hole 3540 ft
 Pup @ ft

☒ New
☐ Used

Notified BLM @ hrs on
 Notified NMOCD @ hrs on

Production Casing: Date set: 14-Jan-06
 Size 4 1/2 in 177 jts
 Set at 7723 ft 2 pups
 Wt. 11.6 ppf Grade N-80
 Hole Size 6 1/4 in Conn LTC
 Excess Cmt 50 % Top of Float Collar 7720 ft
 T.O.C. (est) 3331 Bottom of Casing Shoe 7723 ft
 Marker Jt @ 7352 ft TD of 8-3/4" Hole 7728 ft
 Marker Jt @ 4715 ft
 Marker Jt @ ft
 Marker Jt @ ft

☒ New
☐ Used

Notified BLM @ 20:30 hrs on 13-Jan-06
 Notified NMOCD @ 20:35 hrs on 13-Jan-06

Top of Float Collar 7720 ft
 Bottom of Casing Shoe 7723 ft

TD of 8-3/4" Hole: 7728 ft

Surface Cement

Date cmt'd: 9-Jan-06
 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: 10:00 hrs
 Final Circ Press:
 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 9.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 3-Jan-06
 Lead : 375 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, 1020.0 cuft slurry at 11.7 ppg
 Tail : 215 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, 281.65 cuft slurry at 13.5 ppg
 Displacement: 141.1 bbls
 Bumped Plug at: 23:25 hrs w/ 1550 psi
 Final Circ Press: 1100 psi @ 2.0 bpm
 Returns during job: YES
 CMT Returns to surface: 40 bbls
 Floats Held: X Yes No
 W.O.C. for NA hrs (plug bump to start NU BOP)
 W.O.C. for 12.00 hrs (plug bump to test csg)

Production Cement

Date cmt'd: 15-Jan-06
 Cement : 470 sx 50/50 POZ : Class G Cement
 + 0.25 lb/sx D029 Cellophane 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, 681.5 cuft slurry at 13.0 ppg
 Displacement: 119.7 bbls
 Bumped Plug: 02:15 hrs w/ 2750 psi
 Final Circ Press: 1700 psi @ 2.0 bpm
 Returns during job: None Planned
 CMT Returns to surface: None Planned
 Floats Held: X Yes No

Schematic prepared by:
 Michael P. Neuschafer, Drilling Engineer
 16-January-2006

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 @ 187'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.	Total:	
7" Intermediate	DISPLACED W/ 141.1 BBLS. FRESH WATER. CENTRALIZERS @ 3521', 3443', 3357', 3272', 3186', 3101', 185', 104', 60'. TURBOLIZERS @ 2538', 2498', 2455', 2412', 2369'.	Total:	9
4-1/2" Prod.	None.	Total:	5