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. NMSF078417

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: CONOCOPHILLIPS COMPANY
Contact: DEBORAH MARBERRY
E-Mail: deborah.marberry@conocophillips.com

8. Lease Name and Well No. SJ 28-7 232F

3. Address: 5525 HIGHWAY 64, FARMINGTON, NM 87401
3a. Phone No. (include area code): Ph: 832.486.2326

9. API Well No. 30-039-27043-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 20 T28N R7W Mer NMP NENE 880FNL 815FEL
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory: BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey or Area: Sec 20 T28N R7W Mer NMP

12. County or Parish: RIO ARRIBA
13. State: NM

14. Date Spudded: 11/09/2003
15. Date T.D. Reached: 11/16/2003
16. Date Completed: ☐ D & A ☒ Ready to Prod. 12/13/2003
17. Elevations (DF, KB, RT, GL)*: 6048 GL

18. Total Depth: MD 7196 TVD
19. Plug Back T.D.: MD 7193 TVD
20. Depth Bridge Plug Set: MD TVD

21. Type 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 analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.0	0	236		150		0	
8.750	7.000 J-55	20.0	0	3010		480		0	
6.250	4.500 I-80	12.0	0	7196		470		3240	

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	6956							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DAKOTA	6954	7160	6954 TO 7160	0.340	51	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
6954 TO 7160	FRAC W/SLICKWATER @ 1.15G/MG FR, 50,000# 20/40 SAND & 2609 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
01/13/2004	12/13/2003	24	→	1.0	1452.0	10.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
1/2	220	520.0	→	1	1452	10		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

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

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

ELECTRONIC SUBMISSION #27845 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
FEB 17 2004
FARMINGTON FIELD OFFICE
BY

NMOCD

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

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

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

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

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
SAN JOSE	0	490		NACIMIENTO	544
NACIMIENTO	490	1823		OJO ALAMO	1812
OJO ALAMO	1823	1919		KIRTLAND	1918
				FRUITLAND	2426
				PICTURED CLIFFS	2683
				CHACRA	3629
				CLIFF HOUSE	4304
				MENEFEE	4460
				POINT LOOKOUT	4874
				GALLUP	6154
				DAKOTA	6397
				GREENHORN	6851

32. Additional remarks (include plugging procedure):
This well is a single Basin Dakota well. Attached is the daily summaries and a current wellbore schematic.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #27845 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE GARCIA on 02/17/2004 (04AXG0609SE)

Name *(please print)* DEBORAH MARBERRY Title SUBMITTING CONTACT

Signature (Electronic Submission) Date 02/12/2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

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

END OF WELL SCHEMATIC

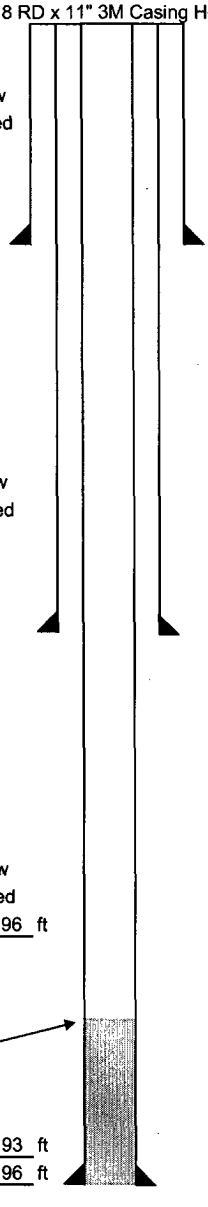
ConocoPhillips

Well Name: SAN JUAN 28-7 # 232F
API # : 30-039-27043

Spud: 9-Nov-2003
Release: 16-Nov-2003

RKB TO GROUND LEVEL: 12 FT
ALL DEPTHS ARE FROM RKB

Trash Cap
11" 3M x 11" 3M Casing Spool
9-5/8" 8 RD x 11" 3M Casing Head



Surface Casing Date set: 10-Nov-03 [X] New [ ] Used
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
Wash Out 150 % Csg Shoe 236 ft
Est. T.O.C. 0 ft TD of surface 236 ft

Notified BLM @ _____ hrs on _____
Notified NMOCD @ _____ hrs on _____

Surface Cmt Date cmt'd: 10-Nov-03
Lead : 150 sx 50/50 POZ:Standard
+ 2% Bentonite + 3% CaCl2
+ 5 lb/sx Gilsonite + 0.25 lb/sx Cello-Flake
+ 0.2 CFR-3, Yield = 1.34 cuft/sx
201 cuft slurry mixed at 13.5 ppg
Displacement: 15.0 bbls Fresh Wtr
Bump Plug: 03:33 hrs w/ 126 psi
Final Circ Pressure : 62 psi @ 2 bpm
Returns during job: Yes
CMT Returns to surface: 15 bbls
Floats Held: No floats run
W.O.C. for 13.75 hrs (plug bump to test casing)

Intermediate Casing Date set: 12-Nov-03 [X] New [ ] Used
Size 7 in
Set at 3010 ft # Jnts: 73
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in Conn STC
Wash Out 150 % Csg Shoe 3010 ft
Est. T.O.C. SURFACE TD of intermediate 3010 ft

Notified BLM @ _____ hrs on _____
Notified NMOCD @ _____ hrs on _____

Int. Cement Date cmt'd: 12-Nov-03
Lead : 300 sx Standard Cement
+ 3% Econolite + 10 lb/sx PhenoSeal
2.88 cuft/sx, 864 cuft slurry at 11.5 ppg
Tail: 180 sx 50/50 POZ:Standard Cement
+ 2% Bentonite
+ 6 lb/sx PhenoSeal
1.33 cuft/sx, 239 cuft slurry at 13.5 ppg
Displacement: 120 bbls Fresh Wtr
Bumped Plug at: 21:15 hrs w/ 1550 psi
Final Circ Pressure: 800 psi @ 2 bpm
Returns during job: Yes
CMT Returns to surface: 63 bbls
Floats Held: X Yes ___ No
W.O.C. for 10.5 hrs (plug bump to test casing)

Production Casing Date set: 15-Nov-03 [X] New [ ] Used
Size 4 1/2 in
Wt. 11.6 ppf Grade: I-80 from 13 to 7196 ft
Hole Size 6 1/4 in Conn LTC
Wash Out: 50 % # Jnts: 170
Est. T.O.C. Top of cemtnt to be determined by CBL
Marker Jt: 4203' - 4223'
Marker Jt: 6836' - 6856'
Marker Jt:

Top of Float Collar 7193 ft
Csg Shoe 7196 ft

Top of cement inside 4.5" casing should be at approximately 5588' MD RKB (ie ~ 1608' above the float collar). Top of cement outside 4.5" casing will be determined by CBL after cleaning out inside 4.5" casing.

TD 7,196 ft

Prod. Cmt Date cmt'd: 15-Nov-03
470 sx 50/50 POZ:Standard Cement
+ 3% Bentonite + 0.2 % CFR-3
+ 0.1% HR-5 + 0.8% Halad-9
+ 5 lb/sx PhenoSeal
1.45 cuft/ sx, 681 cuft slurry at 13.1 ppg

Displacement: 86 bbls 2% KCL water
Bumped Plug at: Did not bump
Final Circ Pressure: 3500
Returns during job: SEE COMMENTS
CMT Returns to surface: none
Floats Held: see comments
Mud Wt. @ TD AIR ppg

COMMENTS:

Surface: No float equipment run. Ran guide shoe and aluminum baffle plate 1 jt above guide shoe.
Displaced cement with a top plug and held shut in pressure on casing head while WOC to set before backing out landing jt.

Production: The 6-1/4" hole was air drilled and was filled with air when the prod csg was cmtd. Therefore there were no returns during cmtng.
We were unable to get the 4-1/2" cement job fully displaced. It pressured up to 3500 psi after 86 bbls of displacement.
Full displacement would have been 111.8 bbls. We shut the cementing head in with 1000 psi and waited on cement.

CENTRALIZERS:

Surface: Centralizers @ 216', 192', 149', & 105' Total: 4

Intermediate: Centralizers @ 2990', 2966', 2883', 2801', 2718', 2635', and 201'. Total: 7
Turbolizers @ 1934', 1892', 1851', & 1810' Total: 4

Production: No centralizers run on production casing Total: none

SAN JUAN 28-7 UNIT 232F — Initial Completion

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392704300	RIO ARRIBA	NEW MEXICO	NMPM-28N-07W-20-A	880.0	N	815.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6048.00	11/9/2003	11/16/2003	36° 39' 5.5512" N	107° 35' 24.0684" W

Start Date	Ops This Rpt
11/18/2003 00:00	HELD PJSM. W/ RIG CREW, DAWN TRUCKING AND L&R ROUST-ABOUTS. BACK DRAG LOCATION , PLUMB IN BRADEN HEAD VALVES, FILL MOUSE HOLE AND CELLAR. SPOT UNIT AND EQUIPMENT. RU UNIT AND EQUIPMENT. NU BOPE ON TBG HEAD. RU FLOOR AND TBG. TOOLS. MU AND TIH PICKING UP W/ 3 7/8" SMITH CONE BIT, BIT SUB AND 185 JTS 2 3/8" TBG. TAG CMT @ 5760' (1436' CMT TO DRILL). RU POWER SWIVEL. SECURE WELL AND SDFN.
11/19/2003 00:00	HELD PJSM. THAW OUT TANK VALVES AND CSG VALVES W/ EXHAUST HEAT. DRILL CMT FROM 5760' TO 6100' W/11 JTS.. DRILLED UP WIPER PLUG@ 5800'.CIRCULATE CLEAN. POOH W/ 2 JTS TBG. DRAIN PUMP,LINES AND SWIVEL. SECURE WELL SDFN.
11/20/2003 00:00	PJSM W/ CREW. TIH W/ 2 JTS. PU SWIVEL ON JT AND DRILL CMT FROM 6100' TO 6570' W/ 15 JTS 2 3/8" TBG. CIRCULATE CLEAN. LD SWIVEL AND DRAIN. POOH W/ 2 JTS. DRAIN PUMP AND LINES. SECURE WELL SDFN.
11/21/2003 00:00	PJSM W/ CREW. TIH W/ 2 JTS. PU SWIVEL ON JT AND DRILL CMT FROM 6570' TO 7038' W/ 15 JTS 2 3/8" TBG. CIRCULATE CLEAN. LD SWIVEL AND DRAIN. POOH W/ 2 JTS. DRAIN PUMP AND LINES. SECURE WELL SDFN.
11/22/2003 00:00	PJSM W/ CREW. TIH W/ 2 JTS. PU SWIVEL ON JT AND DRILL CMT FROM 7038' TO 7191' W/ 5 JTS 2 3/8" TBG. CIRCULATE CLEAN. ROLL HOLE W/ 120 BBL CLEAN 2% KCL. LD SWIVEL AND DRAIN. POOH W/ 12 JTS. DRAIN PUMP AND LINES. SECURE WELL SDFN.
11/23/2003 00:00	
11/24/2003 00:00	HELD PJSM. W/ CREW. POOH W/ TBG. LAYING DOWN ON FLOAT. RD UNIT AND EQUIPMENT.MOVE OFF LOC. TURN OVER TO RIGLESS PROJECTS TO LOG.
11/25/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP CSG TO 1500 #. RAN CBL LOG FROM 7190' TO 2990'. TOP OF CEMENT @ 3240'. RAN TDT LOG FROM 7190' TO 2000'. RAN GR/CCL LOG FROM 7190' TO SURFACE. TESTED 4 1/2" CSG TO 4800 # FOR 30 MIN. HELD OK. RD SCHLUMBERGER.
12/4/2003 00:00	HELD PJSM W/ H&H SLICKLINE . RU UNIT. PU 7 degree DEVIATION TOOL (TOTCO). RIH AND TAG BOTTOM @ 7188' . PU OFF BOTTOM 20' AND WAIT FOR TOOL TO GO OFF FOR 1 HR. POOH W/ TOOLS. DISC SHOWS 1/2 DEGREE DEVIATION. SECURE WELL RD SLICK LINE. AND RELEASE. PJSM W/ MOTE. RU 2 MOTE HOT OIL TRUCKS.HEAT FRAC WATER.
12/5/2003 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 120 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 6954' - 6972' W/ 1 SPF, 7082' - 7094' W/ 1 SPF, 7118' - 7124' W/ 1 SPF, 7142' - 7148' W/ 1 SPF, 7156' - 7160' W/ 1 SPF. A TOTAL OF 51 HOLES @ 0.34 DIA. SWI.
12/6/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE DK. TESTED LINES TO 5123 #. SET POP OFF @ 4410 #. BROKE DOWN FORMATION @ 3 BPM @ 2400 #. DROPPED 24 BALL SEALERS IN 1000 GALS 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 16 BALL SEALERS @ 15 BPM @ 2163 #. A TOTAL OF 40 BALLS. GOOD BALL ACTION. BALLED OFF @ 4100 #. RU BLUE JET. RIH W/ JUNK BASKET RETRIEVED 40 BALLS. PUMPED PRE PAD @ 46 BPM @ 3270 #. SDRT 40 BPM @ 2991 #. SDRT 30 BPM @ 2624 #. SDRT 20 BPM @ 2227 #. SDRT 10 BPM @ 2118 #. ISIP 2000 #. 5 MIN 1674 #. 10 MIN 1506 #. 15 MIN 1323 #. 20 MIN 1189 #. 25 MIN 1027 #. FRAC'D THE DAKOTA W/ SLICKWATER @ 1.15g/mg FR, 50,000 # 20/40 SUPER LC SAND & 2609 BBLS FLUID. AVG RATE 55 BPM. AVG PSI 3900 #. MAX PSI 4122 #. MAX SAND CONS .70 # PER GAL. ISIP 2500 #. FRAC GRADIENT .72. RD SCHLUMBERGER.
12/11/2003 00:00	HELD SAFETY MTG W/ CREWS. RE-TEST ONE ANCHOR.(WAS LOOSE.) PULL TEST WAS GOOD. WITNESSED BY T.MONK W/ KEY ENERGY SERVICES.SPOT EQUIPMENT AND KEY RIG # 15. RU UNIT AND EQUIPMENT. RU BLOW LINE. CHK. PRESSURE. SICP=1800#. OPEN WELL UP TO PIT. BLEED DOWN TO 375#. PUMP 70 BBL 2% KCL TO KILL. WELL UNLOADED KILL WATER TO PIT IN 3 MIN. RU SECOND 2 7/8" BLOW LINE. SICP=1100#. OPEN UP TO PIT ON BOTH LINES. BLEED DOWN TO 100#. PUMP 40 BBL KCL DOWN CSG. ND FRAC VALVE. NU TBG. HANGER. LOCK INTO PLACE. NU SHAFFER 3M BOP. RU ACCUMULATOR AND PRESSURE UP. SECURE WELL AND SDFN.
12/12/2003 00:00	HELD SAFETY MTG. SICP=2100#. BLEED CSG DOWN. TEST BOPE, BLIND AND PIPE RAMS TO 250# LOW FOR 5 MIN AND 3000# HIGH FOR 15 MIN. TEST WAS GOOD WITNESSED BY T.MONK W/ KEY ENERGY SERVICES. MU AND TIH W/ MS, 1.81" EXPENDABLE CK, 1.81" F NIPPLE AND 130 JTS 2 3/8" TBG. DRIFTED TBG. W/ APPROVED 1.901" ODx 24" x 9.45# DRIFT. BREAK CIRCULATION W/ AIR AND UNLOAD HOLE. NO SAND REALIZED @ SURFACE. CONTINUE TO TIH W/ 99 JTS 2 3/8" TBG. DRIFTING . TAGGED FILL @ 7114'. (77' TOTAL FILL W/ 46' PERFS COVERED.) BREAK CIRCULATION W/ AIR. UNLOAD HOLE. CLEAN OUT FRAC SAND FROM 7114' TO PBTD OF 7191' W/ 3 JTS. CIRCULATE CLEAN. POOH W/ 12 JTS 2 3/8" TBG. SECURE WELL AND SDFN.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
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Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6048.00	11/9/2003	11/16/2003	36° 39' 5.5512" N	107° 35' 24.0684" W

Start Date	Ops This Rpt
12/13/2003 00:00	HELD PJSM. SICP=200#. BLEED CSG DOWN. TIH W/12 JTS 2 3/8" TBG. TAG FILL @ 7184'. BREAK CIRCULATION W/ AIR. UNLOAD HOLE. C/O FILL TO PBTD. CIRCULATE CLEAN.PUH 235' TO 6956'. DROP BALL. PRESSURE UP TO 750# W/ AIR. HELD FOR 15 MIN. TEST WAS GOOD. WITNESSED BY T. MONK W/ KEY ENERGY SERVICES. PRESSURE UP TO 1100# AND PUMP OUT CK. LET WELL FLOW UP TBG. AND CSG TO ENSURE CK GONE AND PURGE AIR FROM TUBULARS. TEST DK FORMATION AS FOLLOWS FOR 4 HRS. DK PERFS- 6954' - 7160'. 2 3/8" TBG. SET @ 6956'. TESTED ON 1/2" CHOKE FLOWING UP TBG. (COEFICIENT OF 6.6) FTP= 220# SICP=520# DK PRODUCTION= 1452 MCFPD 1 BOPD 10 BWPD NO SAND TEST WITNESSED BY T. MONK W/ KEY ENERGY SERVICES. LAND EOT @ 6956' KB W/ TOP OF SN @ 6953' KB W/ 223 JTS A COND 2 3/8" TBG. ND BOPE, NU MASTER VALVE. RD UNIT AND EQUIPMENT. MOVE UNIT OFF LOC. TURN OVER TO FACILITIES SUPERVISOR TO BUILD PROD. FACILITY. FINAL REPORT.