

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
March 4, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

| |
|---|
| WELL API NO. 30-039-30255 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| 7. Lease Name or Unit Agreement Name San Juan 30-5 Unit |
| 8. Well Number #78N |
| 9. OGRID Number 217817 |
| 10. Pool name or Wildcat Blanco Mesa Verde/Basin Dakota |

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
ConocoPhillips Company

3. Address of Operator
P.O. Box 4289, Farmington, NM 87499-4289

4. Well Location

Unit Letter O : 675 feet from the South line and 2075 feet from the East line

Section 7 Township 30N Range R5W NMPM Rio Arriba County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6244' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☒

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐ RCVD OCT 4 '07
OIL CONS. DIV.

OTHER: DIST. 3 ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips is requesting the following change on the well design:

The intermediate hole was to be drilled with an 8 3/4" bit, we are requesting to drill with a bi-center bit which will increase the hole diameter to 9 7/8".

The APD was approved for TD to be at 7755' we are asking that the new TD be @ 7781'. Cement volumes will be adjusted accordingly: please see attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Tracey N. Monroe TITLE Regulatory Technician DATE 10/307

Type or print name Tracey N. Monroe E-mail address: Tracey.N.Monroe@conocophillips.com Telephone No. 505-326-9752

(This space for State use)

APPROVED BY H. Villanueva TITLE Deputy Oil & Gas Inspector, District #3 DATE OCT 04 2007
Conditions of approval, if any:

df

CONOCOPHILLIPS

Well Name: SJ 30-5 78N
Formation: MV/DK New Drill
Location: T - 30 N R - 5 W
Footage: 675' FSL & 2075' FEL
County: Rio Arriba State: New Mexico
Rig: H&P 282 API #: 30-039-30255
APD/BLM 04/25/07 Lease # OCD AFE \$650,744
GL: 6,244' OCD Phone #: 334-6178 Est Cost/ft. \$82.50
KB: 6,260' BLM Phone #: 599-8908 Like Kind Cost \$641,933
TD: 7,781' EST DAYS: 9

Safety:

AFE# WAN CNV 7142
Network #-10171757

San Juan Division - Drilling Program

In case of Major Emergency Call 911

Give the following information to Operator:

Well Name: SJ 30-5 78N
County: Rio Arriba
State: New Mexico

Latitude (NAD83): 36.82174 degrees Latitude (NAD27): 36 degrees, 49.3040 minutes

Longitude (NAD83): 107.39680 degrees Longitude (NAD27): 107 degrees, 23.7718 minutes

From the intersection of HWY 550 and HWY 64 in Bloomfield NM travel East on NM state HWY 64 for 38.2 miles. Turn left (North-easterly) on NM State HWY 527 (Simms Hwy) and travel for 7.9 miles Turn right (Northerly) on Rosa Road and travel for 6.5 miles to fork in road. Go right (northeasterly) exiting Rosa Road up LaFragua Canyon for 1.0 miles to fork in road. Go right (southeasterly), across LaFragua Canyon for 1.4 miles to new San Juan 30-5 Unit #88G access on left-hand side of existing roadway which continues for 1000' to new San Juan 30-5 Unit #78G access on right-hand side which continues for an additional 1600' to staked location.

R:\Implementation Program\2007\01 Development\Z - COF SJ 30-5 Unit 78N\SJ 30-5 78N drlg_prog.xls\PROG

| Geology | | Hydraulics | Drig Fluids | Cement | Analysis | Materials |
|---------------------------|--|---|--|--|--------------------------|---|
| 216' | | 12 1/4 | Spud | Type III cement with 2% CaCl2 and 1/8 pps Cello-Flake | Mo-Te has Preset Surface | 1 Wood Group wellhead 1 Wellhead trash cap 216 feet 9-5/8" 32 3/4" H-40 STC 1 9-5/8" sawtooth guide shoe 3 Bow Type Centralizers 1 Wooden Plug for Displacement if Mo-Te sets |
| N/A Nacimiento | | Read-Hycalog 8-3/4" x 9-7/8" | Drill out from under surface w/ water and gel system. Sweep w/ gel and fiber as needed. Pretreat w/ 30% LCM by 2550' and close in system | 217 sks 1 18 cu ft/sk 256 cu ft 5 24 gal/sk 15 6 ppg Excess 125% | | 1 7" float shoe flapper type (Gemoco) 42 feet Shoe Joint 7" 20 0# J-55 ST&C 1 7" float collar flapper type (Gemoco) |
| 2309' Ojo Alamo | | Read bi-center bit Four 14/32's jets on pilot bit Two 13/32's jets on reamer section | | Excess Cement: 135% PF 20 bbls mud flush Top of tail is planned at: 2745.6 Lead: Premium Plus / Type III cement + 3.0% Bentonite + 30 pps San Juan Poz + 6.0 pps Phenoseal 717 sks 1865 cu. ft. Density 11.5 ppg Yield 2.60 cu. ft/sk Mix Water 14.61 gal/sk Tail: 50/50 Poz Premium + 6 lbm/sx Pheno Seal + 2% Bentonite 137 sks 182 cu. ft. Density 13.5 ppg Yield 1.33 cu. ft/sk Mix Water 5.51 gal/sk 137.0 bbls displacement | | 3390 feet 7" 20 0# J-55 ST&C to surface Centralizers: 6 7" x 8-3/4" bow type every other ft. off bottom 2 7" x 8-3/4" turbo centralizers at base of the Ojo Alamo 1 7" x 8-3/4" bow type in bottom of surface csg |
| 2427' Kirtland | | 8-25K max WOB | 3-25K max WOB | | | Casing total: 3582 feet 7" 20.0# J-55 ST&C w/ 150' extra |
| 2248' If needed | | Spin-Top Drive 50-80 RPM | Run Tele-drift and Motor | | | |
| 2548' Fruitland | | Run an unstabilized Hunting 6-3/4" 7.8 lobe, 5.0 stg, 0.24 rev/gpm motor | 500+ GPM above coal 350-400+ GPM LR Expected | | | |
| 3059' Pic. Cliffs | | | | | | |
| 3332' Lewis | | | | | | |
| 3432' Int TD | | | | | | |
| 3926' Huerfano Bentonite | | | | | | |
| 4310' Chacra | | | | | | |
| 4793' Upper Cliff House | | | | | | |
| 5099' Massive Cliff House | | | | | | |
| 5177' Menefee | | | | | | |
| 5433' Massive Pt Lookout | | | | | | |
| 5880' Mancos Shale | | | | | | |
| 6725' Gallup | | | | | | |
| 7446' Greenhorn | | | | | | |
| 7501' Graneros | | | | | | |
| N/A Two Wells | | | | | | |
| N/A Paguete | | | | | | |
| 7631' Upper Cubero | | | | | | |
| 7674' Lower Cubero | | | | | | |
| 7741' Encinal Top | | | | | | |
| 7771' Est. btm perfs | | | | | | |
| 7778' Est. PBTD | | | | | | |
| 7781' TD | | | | | | |

Environmental, Health & Safety

*A minute of thought is worth more than an hour of talk " - Author Unknown

| | TRIR* | LTA | Restrict'd Duty | OSHA Rec | 1st Aid |
|------------------|-------|-----|-----------------|----------|---------|
| Goal | 0 | 0 | 0 | 0 | 0 |
| Actual (9/11/07) | 2 95 | 5 | 9 | 22 | 95 |

* TRIR - Total Recordable Incident Rate per 200,000 man-hours.

Environmental Goals:

- Zero Spills on Location
- Remove Trash from Roads and Locations

San Juan 30-5 Unit #47G (MV/DK, 2007, 1.0 mi. SE): Mote drilled surface to 237' Ran 9-5/8" casing to 232' and cemented with 30% excess, circ 4 bbls to surface Drilled 1/237'-3,582' w/ 8-3/4" HC 506ZX, avg ROP= 94 fph, max dev=1 0 deg. No lost circ. problems Ran open hole logs Ran 7", 20#, J-55 ST&C to 3,572' Pumped 186 bbls cmt, returned 48 bbls to surf, 100% excess Plug did not bump, 85 feet of cmt on top of FC Drilled 1/3,582' to 7,869' w/ 6-1/4" CV-462, avg ROP=161.8 fph Ran 4-1/2" csg to 7,868', with 125' 11 6# LT&C on btm, 6650' 10 5# in middle and 1098' of 11.6# LT&C on top Pumped 122 bbls cmt, 50% excess, TOC @ 2,550; 40' fill on top of FC

San Juan 30-5 Unit #37G (MV/DK, 2006, 0.75 mi. NE): Drilled 242' of 12-1/4" surface hole Ran 9-5/8" casing and cemented with 150% Excess, circ 11 bbls to surface. Drill cement and float equipment Drilled 5', then bit torqued up and large bits of metal shavings showed up in pit PU bit and drilled two cores using reverse circulating basket and milled 70' new hole Drilled to 3597' with new PDC Ran casing and cemented with 150% Excess Lost circulation 75 bbls into displacement Regained circ and circ 5 bbls to surface Began air hole, plugged bit with cement, POOH and TIH with new air hammer Hit TD of 7853', ran production casing and cemented with 50% Excess (1117' Overlap)

San Juan 30-5 Unit #38M (MV/DK, 2006, 1 mi. SE): Rig drilled 13-1/2" surface hole to 254' Ran 9-5/8", 32.3#, H-40 ST&C to 244' Pumped 46 5 bbls cmt, circ. 19 5 bbl cmt to surf Drilled 1/254'-3710' w/ 8-3/4" Hughes 606Z, avg ROP= 119 fph, max dev=1 0 deg, 350-380 gpm Started losing fluid at 2,100' at 40 bbl per hour, raised LCM from 0 to 40% Gained full returns at 3,157' with LCM @ 40% Had tight spots while TOO at 3,700'-3,400' (10-15K over), 3,400'-3,000' (10-50K over), 2,700'-2,600' (10-25K over), 2,500'-2,000' (10-50K over), lost 100 bbls mud on trip out Washed and reamed 1/3,100'-3,217' Ran 7", 20# J-55 ST&C to 3,703', hit bndge at 3,462', wash 1/3,100'-3,703', hole started to pack off, had 60% returns, worked pipe and got full returns Pumped 242 bbls cmt in single stg, circ 40 bbl to surf, 150% excess Drilled from 3,710'-7,978' w/ 6-1/4" hammer bit, avg ROP=133 fph. Ran 4-1/2", 11 6#, N-80 LT&C to 7,971' Pumped 124 bbls cmt, TOC @ 2,500', 55% excess

San Juan 30-5 Unit #78M (MV/DK, 2004, 1/4 mi. NE): Rig drilled surface ro 239', ran 9-5/8", 32.3#, H-40, ST&C to 239'. Pumped 36.5 bbls cmt, returned 10 bbls to surf Drilled 1/240'-3,400' w/ 8-3/4" Hughes HX-09CJ, ROP=94 fph, max dev =1.0 deg, Pumped 222 bbls cmt, circ 56 bbls to surf, 150% excess Drilled 1/3,400'-7,807' w/ 6-1/4" Marquis CV-462, ROP=125 fph Ran 4-1/2", 11 6#, N-80, LT&C to 7,805' Pumped 126.5 bbls cmt, TOC @ 1,900', 50% excess.

Operations Notes:

- Drill Intermediate hole w/ Clean Faze w/ sweeps as needed Disperse mud for Lewis Transfer mud to next location-notify Regulatory
- Install rotating rubber after drill collars are bured
- Rig up blooe line before penetrating Kirtland formation
- Fill out all Check Sheets (MIRU, Pre-spud) and take pictures of location.
- Watch deviation very closely while drilling with PDC. Lost Returns Expected
- Surface pits MUST be lined according to the APD
- Disperse mud & spin bit to remove bit ball while drilling the Lews during connections and short trip
- Circulate 7" casing down every 15-20 joints and wash the last 5 joints to TD
- Ensure that tools above bi-center bit had OD less than 6-3/4"
- Use Weatherford/Gemoco float equipment for all holes this well Production hole float includes a .75" ID insert choke in the float collar and will use latch in wiper plug Cement w/ Halliburton on all cement jobs
- Call all appropriate regulatory agencies 24 hours in advance of spud, cementing, or running casing Leave message if after hours

Prepared by: _____
Russell Perkins - Drilling Engineer

Approved by: _____
Tom Bealessio - Drilling Superintendent

Prepared: 10/2/2007