

Submit 3 Copies To Appropriate District Office  
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  
May 27, 2004

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

WELL API NO. 30-045-25802
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B11189
7. Lease Name or Unit Agreement Name State M
8. Well Number #1E
9. OGRID Number 217817
10. Pool name or Wildcat 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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator Conocophillips Co.	
3. Address of Operator 3401 E. 30 <sup>th</sup> Street, Farmington, NM 87402	
4. Well Location Unit Letter <u>K</u> : <u>1780</u> feet from the <u>South</u> line and <u>1540</u> feet from the <u>West</u> line Section <u>16</u> Township <u>29N</u> Range <u>8W</u> NMPM County <u>San Juan</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6558' KB	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 plans to perform a MIT on this well, if the test passes we will TA the Dakota zone. If the test should fail we will proceed with a P&A. Please see the attached procedure & WBD.

RCVD AUG 7 '07  
OIL CONS. DIV.  
DIST. 3

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 Philana Thompson TITLE Regulatory Tech DATE 8/3/07

Type or print name Philana Thompson E-mail address: thomppp@conocophillips.com Telephone No. 505-326-9530

For State Use Only

APPROVED BY: H Villanueva TITLE Deputy Oil & Gas Inspector, District #3

Conditions of Approval (if any): DATE AUG 07 2007

Give OCD 24 Hr Notice to witness TA or P/A.

B

**ConocoPhillips**  
**STATE M 1E (DK)**  
**MIT and either T&A or P&A of the Dakota**

**Lat** 36° 43' 22.944" N **Long** 107° 41' 1.68" W

Prepared By: Karen Mead Engineer Date: 07/30/2007  
BAE Peer review/approved By: Dennis Wilson Date:

**Scope of work:** The intent of this procedure is to perform a mechanical integrity test (MIT) and if the test passes, temporarily abandon the Dakota zone or if it fails, plug and abandon the wellbore.

**Est. Cost:** \$37,300

**Est. Rig Days:** 4

**WELL DATA:**

**API:** 30-045-2580200S01

**Location:** 1790' FSL & 1540' FWL, Unit F, Section 16-- T29N -- R85W

**PBTD:** 7715' **TD:** 7720'

**Perforations:** 7450-7682' (DK)

**Well History:** This well was drilled in 10/22/1983 and was first delivered 11/30/83 and produced from the Dakota. Except for a few spikes, this well has been nonproductive since 2004. A cleanout was performed in 2005 and a CO2 flush in 2006 and both were unsuccessful. Diagnostics show high fluid level but the plunger will not run due to insufficient bottom hole pressure. The well does have slim hole collars making up most of the tubing string. Ram has reviewed and recommends performing a MIT and if it passes, T&A the DK. If the MIT fails, then P&A the wellbore.

**B2 Adapters** are required on all wells other than pumping wells.

**Artificial lift on well (type):** None (did have a plunger at one time)

**Est. Reservoir Pressure (psig):** 1000 (DK)

**Well Failure Date:** Early 2004

**Current Rate (Mcf/d):** 0 **Est. Rate Post Remedial (Mcf/d):** 0

**Earthen Pit Required:** NO (Only if MIT fails and P&A occurs)

**Special Requirements:** 2 hour chart for MIT

**BAE Production Engineer:** Karen Mead, Office: (505) 324-5158, Cell: (505) 320-3753

**BAE Backup:** Susan Linert, Office: (505) 324-5140, Cell: (505) 320-0029

**MSO:** Brad Haechten Cell: (505) 486-6786

**Lead:** Matt Crane Cell: (505) 320-1400

**Area Foreman:** Terry Bowker Cell: (505)320-2600

**ConocoPhillips  
STATE M 1E (DK)  
MIT and either T&A or P&A of the Dakota**

**Lat 36° 43' 22.944" N Long 107° 41' 1.68" W**

**PROCEDURE:**

1. Send wireline to pull any down-hole equipment. If not able to pull, set three slip stop above obstruction.
2. Hold safety meeting. Comply with all NMOCD, BLM, and ConocoPhillips safety and environmental regulations. Test rig anchors prior to moving in rig.
3. MIRU. Check casing, tubing, and bradenhead pressures and record them in Wellview. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl if necessary. ND wellhead NU BOP.
4. Unseat donut, remove hanger, add joints of 2-3/8" tubing and tag for fill (PBSD @ 7715'). Record fill depth in Wellview. TOOH with tubing (detail below). Tubing is currently landed @ 7601'.
  - (1 jt) 2-3/8" X 10' Pup Joint
  - (1 jt) 2-3/8" X 8' Pup Joint
  - (11 jts) 2-3/8" 4.7# J-55 EUE Tubing
  - (1) 2-3/8" Crossover
  - (228 jts) 2-3/8" 4.7# J-55 Non Upset Tubing
  - (1) 2-3/8" X 1.995" ID "F" Nipple set @ 7600'
  - (1) Expendable Check set @ 7601'
5. Visually inspect tubing and record findings in Wellview. Make note of corrosion or scale. Please notify engineer of any unusual findings.
6. PU 3-7/8" string mill and bit on tubing for 4-1/2" 10.50# and 11.6# casing. TIH and clean out to PBSD 7715'. TOOH.
7. PU and TIH with CIBP for 4-1/2" casing to pressure test casing for MIT. Set CIBP within 50' of the top DK perf (approx. 7400'-7405'). Pressure test casing above DK perms to 500 psi for 30 minutes on a 2 hour chart. *And 1000# Spurt 3*
8. If test passes, go to Step 9. If test fails, go to Step 10.
9. **(Test passes)** TOOH with tubing, ND BOP, NU wellhead. Notify lease operator that operation is complete. RDMO.
10. **(Test fails)** Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. Cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.
11. File a NMOCD C-103 pit request. Prepare a lined waste fluid pit.

12. **Plug #1 (Dakota perforations and top, 7400' – 7300')**: Load casing with water and circulate the well clean. Spot 12 sxs Type II cement inside casing above CIBP to 7300' to isolate the Dakota interval. PUH to 6535'.
13. **Plug #2 (Gallup top, 6535' – 6435')**: Mix 12 sxs Type II cement and spot a balanced plug inside casing to cover the Gallup top. PUH to 4855'.
14. **Plug #3 (Mesaverde top, 4855' – 4755')**: Mix 11 sxs Type III cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH to 3965'.
15. **Plug #4 (Chacra top and 7" Casing shoe and 4.5" Liner top, 3965' – 3583')**: Mix 44 sxs Type III cement and spot a balanced plug inside casing to cover the Chacra top through the 7" casing shoe and 4.5" liner top. PUH to 3260'.
16. **Plug #5 (Pictured Cliffs and Fruitland tops, 3260' – 2860')**: Mix 76 sxs Type III cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. PUH to 2365'.
17. **Plug #6 (Kirtland and Ojo Alamo tops, 2365' – 2160')**: Mix 43 sxs Type III cement and spot a balanced plug inside casing to cover the Kirtland and Ojo Alamo tops. TOH with tubing.
18. **Plug #7 (Nacimiento top, 1000' – 900')**: Perforate 3 squeeze holes at 1000'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 7" cement retainer at 950'. Establish rate into squeeze holes. Mix and pump 49 sxs cement, squeeze 23 sxs outside the 7" casing and leave 26 sxs inside the casing. TOH and LD tubing.
19. **Plug #8 (9.625" Casing shoe and surface, 361' – 0')**: Perforate 3 squeeze holes at 361'. Establish circulation out bradenhead with water. Circulate the BH annulus clean. Mix and pump approximately 120 sxs cement down 7" casing to circulate good cement out the bradenhead. SI well and WOC.
20. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Sundry is required:      YES                      NO (Only if MIT fails and P&A occurs)

Recommended	<u>Karen Mead</u>
BAE Engineer	Karen Mead
Office	(505) 324-5158
Cell	(505) 320-3753

Approved	<u>Kelly Kolb</u>
Expense Supervisor	Kelly Kolb
Office	(505) 326-9582
Cell	(505) 320-4785

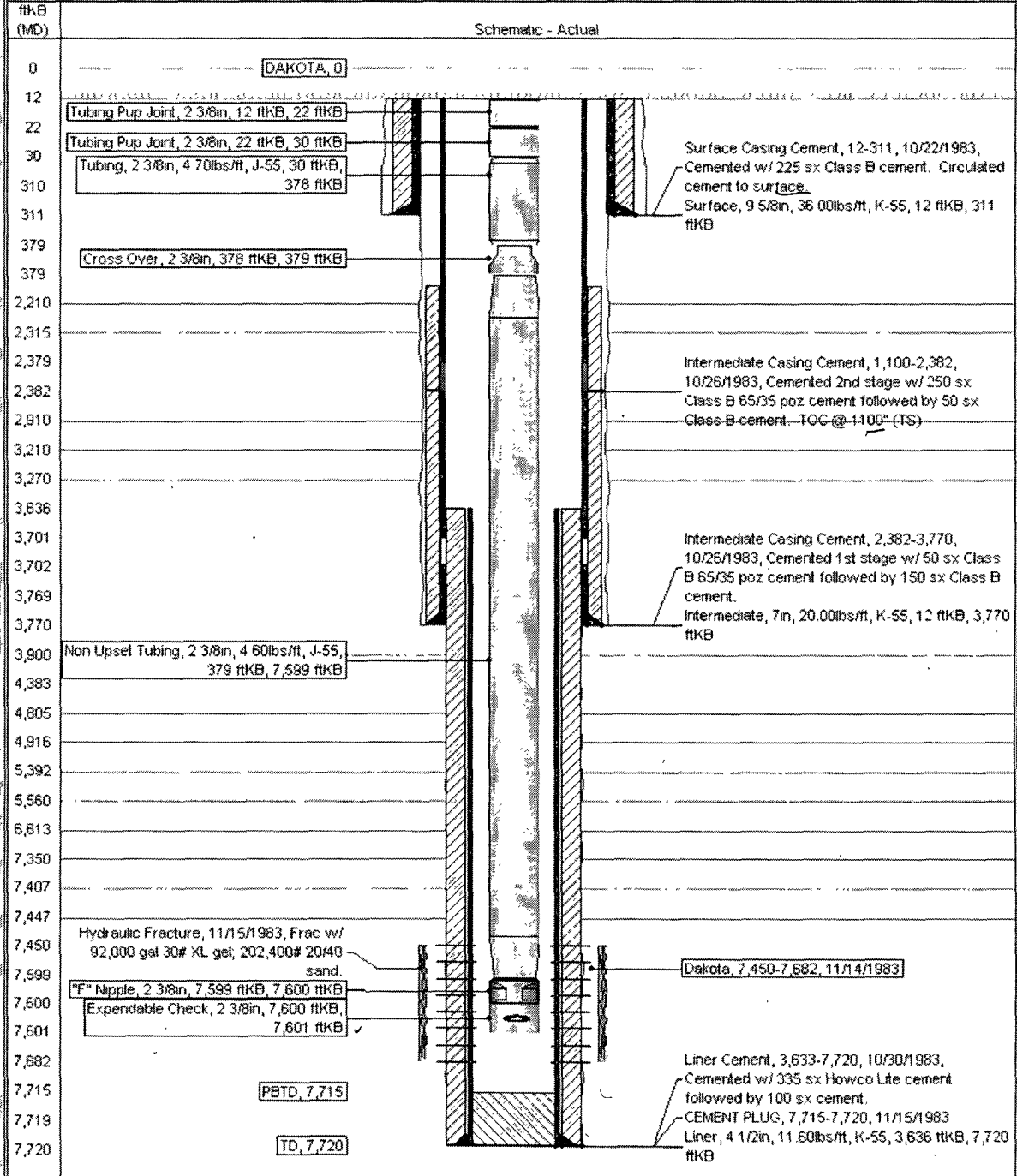
# CURRENT SCHEMATIC

ConocoPhillips

STATE M 1E

District SAN JUAN	Field Name DK	API / UWI 300452580200	County SAN JUAN	State/Province NEW MEXICO	Edit
Original Spud Date 10/22/1983	Surface Legal Location NMPM-29N-08W-16-K	E/W Dist (ft) 1,540.00	E/W Ref WV	N/S Dist (ft) 1,780.00	N/S Ref S

Well Config Vertical - Main Hole, 7/30/2007 2:15:00 PM



# Pertinent Data Sheet 072007

ConocoPhillips

Well Name: STATE M 1E

API/UDOI 300452580200	Surface Legal Location NMPM-29N-08VV-16-K	Field Name DK	License No	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 6,546.00	Original KB Elevation (ft) 6,558.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft) 12.00	KB-Tubing Hanger Distance (ft) 12.00		

Well Attributes			Edit
Orig Spud Date	Latitude (DMS)	Longitude (DMS)	

PBTDs	Depth (ft-d)	Edit
	7,715.0	

Formations	Formation Name	Final Top MD (ft-d)	Edit
PICTURED CLIFFS		3,210.0	
POINT LOOKOUT		5,392.0	
MANCOS		5,560.0	
GALLUP		6,613.0	
KIRTLAND		2,315.0	
MENEFEE		4,916.0	
LEWIS		3,270.0	
GRANEROS		7,407.0	
FRUITLAND		2,910.0	
OJO ALAMO		2,210.0	
DAKOTA		7,447.0	
CHACRA		3,900.0	
CLIFF HOUSE		4,805.0	
GREENHORN		7,350.0	

Casing Strings				
Casing Description	Run Date	Set Depth (ft-d)	Comment	Edit
Surface	10/22/1983	311 0		

Item Description	OD (in)	ID (in)	WT (lb/ft)	Grade	J%	Let (ft)	Edit
Casing Joints	9.5/8	8.920	36.00	K-55	7	298.00	
Guide Shoe	9.5/8	8.920			1	1.00	

Casing Description	Run Date	Set Depth (ft-d)	Comment	Edit
Intermediate	10/26/1983	3,770.0		

Item Description	OD (in)	ID (in)	WT (lb/ft)	Grade	J%	Let (ft)	Edit
Casing Joints	7	6.456	20.00	K-55		2,367.00	
Stage Tool	7	6.456			1	3.00	
Casing Joints	7	6.456	20.00	K-55		1,319.00	
Float Collar	7	6.456			1	1.00	
Casing Joints	7	6.456	20.00	K-55		67.00	
Shoe	7	6.456			1	1.00	

Casing Description	Run Date	Set Depth (ft-d)	Comment	Edit
Liner	10/30/1983	7,770.0		

Item Description	OD (in)	ID (in)	WT (lb/ft)	Grade	J%	Let (ft)	Edit
Casing Joints	4.1/2	4.000	11.60	K-55	17	747.00	
Casing Joints	4.1/2	4.052	10.50	K-55	76	3,336.00	
Shoe	4.1/2	4.052			1	1.00	

Cement				Edit
Description	Start Date	End Date	Comment	
Surface Casing Cement	10/22/1983	10/22/1983	Cemented w/ 225 sx Class B cement. Circulated cement to surface.	
Intermediate Casing Cement	10/26/1983	10/26/1983	Cemented 1st stage w/ 50 sx Class B 65/35 poz cement followed by 150 sx Class B cement. Cemented 2nd stage w/ 250 sx Class B 65/35 poz cement followed by 50 sx Class B cement. TOC @ 1100' (TS)	
Liner Cement	10/30/1983	10/30/1983	Cemented w/ 335 sx Howco Lite cement followed by 100 sx cement	
Cement Plug	11/15/1983			

<Tubing Description?> set at <Set Depth?>ftKB on <Run Date?>				Edit
Tubing Description	Run Date	Set Depth (ft-d)	Comment	

Tubing - Production set at 7,601.1ftRKB on 4/19/2005 00:00				Edit
Tubing Description	Run Date	Set Depth (ft-d)	Comment	
Tubing -	4/19/2005	7,601.1		

Item Description	OD (in)	ID (in)	WT (lb/ft)	Grade	J%	Let (ft)	Top (ft-d)	Edit
Tubing Pup Joint	2.3/8	1.995			1	10.00	12.00	
Tubing Pup Joint	2.3/8	1.995			1	8.00	22.00	
Tubing	2.3/8	1.995	4.70	J-55	11	348.49	30.00	
Cross Over	2.3/8	1.995				0.55	378.50	
Non Upset Tubing	2.3/8	1.995	4.60	J-55	228	7,219.87	379.00	

# Pertinent Data Sheet 072007

ConocoPhillips

Well Name: STATE M 1E

API/UVI 300452580200	Surface Legal Location NMPM-29N-08W-16-K	Field Name DK	License No	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 6,546.00	Original KB Elevation (ft) 6,558.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft) 12.00	KB-Tribing Hanger Distance (ft) 12.00		

Item Description	O.D. (in)	ID (in)	Unit (lbs/ft)	Grade	Jt	Len (ft)	Top (ft)	Edit
"F" Nipple	2 3/8	1.780			1	1.16	7,598.9	
Expendable Check	2 3/8	1.995			1	1.00	7,600.1	

## Perforations

Date	Top (ft)	Bit (ft)	Zone	Comment
11/14/1983	7,450.0	7,682.0	DAKOTA, Main Hole	Perforated @ 7450'-74', 7483'-89', 7590'-96' w/ 1 spf & 7620'-23', 7654'-66', 7674'-82' w/ 2 spf Total 82 holes

## Stimulations & Treatments

### Hydraulic Fracture on 11/15/1983 00:00

Type	Zone	Comment	Edit
Hydraulic Fracture	DAKOTA, Main Hole	Frac w/ 92,000 gal 30# XL gel, 202,400# 20/40 sand	

## Logs

Date	Type
11/30/1983	DIL CAL (WV54 LogRun)
11/30/1983	GR (WV54 LogRun)