

"As Drilled Plat"

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 58240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30366		*Pool Code 71599/72319	*Pool Name Basin Dakota / Blanco Mesa Verde
*Property Code 31327	*Property Name SAN JUAN 30-5 UNIT		*Well Number 71F
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6578'

10 Surface Location

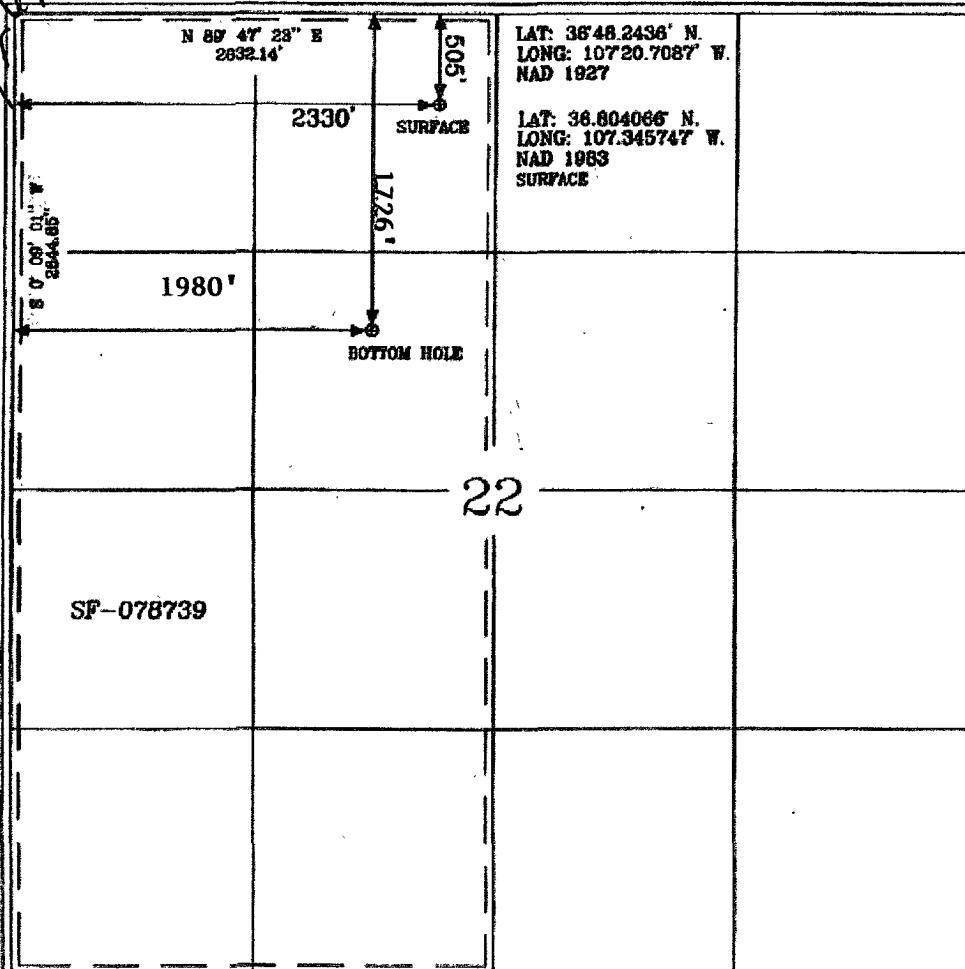
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	30-N	5-W		505'	NORTH	2330'	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	22	30-N	5-W		1726'	NORTH	1980'	WEST	RIO ARriba

*Dedicated Acres	*Joint or Infill	*Consolidation Code	*Order No.
			RCVD JUN 26 '09 OIL CONS. DIV.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION DIST. 3



17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Ethel Tally</i> Signature Ethel Tally Printed Name Date: 6/24/09	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 10 Date of Survey <i>Glen V. Russell</i> Signature of Professional Surveyor 15703 Certificate Number
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6/26

ConocoPhillips**COP Deviation Report
SAN JUAN 30-5 UNIT #71F**

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 30-5 UNIT #71F	API / UWI 3003930366	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 022-030N-005W-C	N/S Dist (ft) 505.00	N/S Ref FNL	E/W Dist (ft) 2,330.00	E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
4/21/2008	125.00	0.50	DEVIATION	MOTE
4/21/2008	230.00	0.75	DEVIATION	MOTE
10/8/2008	252.00	0.50	DEVIATION	H&B
10/8/2008	343.00	1.30	DEVIATION	H&B
10/8/2008	435.00	3.50	DEVIATION	H&B
10/8/2008	527.00	5.60	DEVIATION	H&B
10/8/2008	621.00	6.70	DEVIATION	H&B
10/8/2008	712.00	8.10	DEVIATION	H&B
10/8/2008	807.00	10.50	DEVIATION	H&B
10/8/2008	902.00	12.40	DEVIATION	H&B
10/9/2008	998.00	12.60	DEVIATION	H&B
10/9/2008	1,093.00	14.60	DEVIATION	H&B
10/9/2008	1,188.00	17.10	DEVIATION	H&B
10/9/2008	1,283.00	19.50	DEVIATION	H&B
10/9/2008	1,378.00	21.60	DEVIATION	H&B
10/9/2008	1,473.00	21.90	DEVIATION	H&B
10/9/2008	1,568.00	22.20	DEVIATION	H&B
10/10/2008	1,664.00	21.60	DEVIATION	H&B
10/10/2008	1,759.00	21.50	DEVIATION	H&B
10/10/2008	1,854.00	21.70	DEVIATION	H&B
10/10/2008	1,950.00	21.90	DEVIATION	H&B
10/10/2008	2,045.00	22.10	DEVIATION	H&B
10/10/2008	2,140.00	20.60	DEVIATION	H&B
10/10/2008	2,235.00	20.40	DEVIATION	H&B
10/10/2008	2,329.00	21.60	DEVIATION	H&B
10/10/2008	2,424.00	21.80	DEVIATION	H&B
10/10/2008	2,520.00	21.70	DEVIATION	H&B
10/10/2008	2,615.00	22.50	DEVIATION	H&B
10/10/2008	2,710.00	22.50	DEVIATION	H&B
10/10/2008	2,806.00	22.60	DEVIATION	H&B
10/11/2008	2,900.00	23.00	DEVIATION	H&B
10/11/2008	2,996.00	22.00	DEVIATION	H&B
10/11/2008	3,091.00	21.80	DEVIATION	H&B
10/11/2008	3,185.00	21.50	DEVIATION	H&B
10/12/2008	3,280.00	20.70	DEVIATION	H&B
10/12/2008	3,375.00	20.20	DEVIATION	H&B

RCVD JUN 26 '09
OIL CONS. DIV.
DIST. 3

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions; and that the facts stated herein are true to the best of my knowledge and belief.



Subscribed and sworn to me this

18th June

Notary Public in and for San Juan County, New Mexico

My Commission expires

Oct 1, 2012

**COP Deviation Report
SAN JUAN 30-5 UNIT #71F**

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/12/2008	3,470.00	18.20	DEVIATION	H&B
10/12/2008	3,565.00	18.50	DEVIATION	H&B
10/12/2008	3,660.00	19.80	DEVIATION	H&B
10/12/2008	3,755.00	21.10	DEVIATION	H&B
10/12/2008	3,850.00	20.10	DEVIATION	H&B
10/12/2008	3,945.00	18.60	DEVIATION	H&B
10/12/2008	4,040.00	16.20	DEVIATION	H&B
10/12/2008	4,135.00	13.40	DEVIATION	H&B
10/12/2008	4,230.00	12.40	DEVIATION	H&B
10/13/2008	4,326.00	10.80	DEVIATION	H&B
10/13/2008	4,420.00	8.40	DEVIATION	H&B
10/13/2008	4,515.00	6.90	DEVIATION	H&B
10/13/2008	4,610.00	4.50	DEVIATION	H&B
10/13/2008	4,674.00	3.10	DEVIATION	H&B
10/29/2008	8,170.00	1.00	Incl	PHOENIX

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report, and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____



Hathaway Burnham Navigational LLC

DIRECTIONAL AND MWD SERVICES

October 14, 2008

Ms. Geneva Blackwater
P.O. Box 4289
Farmington, NM 87499

RCVD JUN 26 '09

OIL CONS. DIV.
DIST. 3

RE: Final Notarized Survey's Well San Juan 30-5 #71F

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 30-5 #71F. I hereby Certify to the best of my knowledge these surveys are true and correct.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Taryn Lambert'.

Taryn Lambert
Hathaway Burnham Navigational LLC

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

RECD JUN 26 '09
OIL CONS. DIV.
DIST. 3

State of California

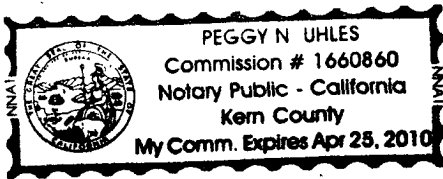
County of KERN

On OCT 21, 2008 before me, PEGGY N UHLES, NOTARY PUBLIC

Here Insert Name and Title of the Officer

personally appeared TARYN LAMBERT

Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Peggy N Uhles

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____

Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
- ☐ Corporate Officer — Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Attorney in Fact
- ☐ Trustee
- ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

- ☐ Individual
- ☐ Corporate Officer — Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Attorney in Fact
- ☐ Trustee
- ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

HB

Job Number: NM08404
Company: CONOCOPHILLIPS
Lease/Well: SJ 30-5 #71F
Location: SECTION 22
Rig Name: H&P #281
RKB: ☐
G.L. or M.S.L.: ☐

State/Country: NEW MEXICO/USA
Declination: 10.04
Grid: ☐
File name: C:\WINSERVE\NM08404.SVY
Date/Time: 13-Oct-08 / 14:55
Curve Name: AS DRILLED

RCVD JUN 26 '09
OIL CONS. DIV.

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 196.47
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

DIST. 3

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.00	.50	159.80	252.00	-1.03	.38	.88	1.10	159.80	.20
343.00	1.30	179.40	342.99	-2.44	.53	2.19	2.49	167.78	.93
435.00	3.50	198.10	434.90	-6.15	-.33	5.99	6.16	183.11	2.51
527.00	5.60	200.00	526.60	-13.04	-2.74	13.28	13.32	191.88	2.29
621.00	6.70	195.20	620.06	-22.64	-5.75	23.34	23.36	194.25	1.29
712.00	8.10	197.90	710.30	-33.86	-9.11	35.06	35.07	195.06	1.58
807.00	10.50	197.70	804.05	-48.48	-13.80	50.40	50.41	195.89	2.53
902.00	12.40	196.20	897.15	-66.52	-19.28	69.26	69.26	196.16	2.02
998.00	12.60	192.50	990.88	-86.65	-24.42	90.01	90.02	195.74	.86
1093.00	14.60	196.20	1083.21	-108.26	-30.00	112.33	112.34	195.49	2.29
1188.00	17.10	196.00	1174.59	-133.19	-37.20	138.27	138.29	195.60	2.63
1283.00	19.50	196.40	1264.78	-161.83	-45.52	168.10	168.11	195.71	2.53
1378.00	21.60	193.20	1353.73	-194.07	-53.99	201.42	201.44	195.55	2.51
1473.00	21.90	192.80	1441.97	-228.37	-61.91	236.55	236.61	195.17	.35
1568.00	22.20	192.80	1530.02	-263.15	-69.81	272.14	272.25	194.86	.32
1664.00	21.60	193.70	1619.09	-298.00	-78.02	307.89	308.05	194.67	.72
1759.00	21.50	199.40	1707.46	-331.41	-87.94	342.75	342.88	194.86	2.21
1854.00	21.70	198.40	1795.79	-364.50	-99.27	377.69	377.78	195.23	.44
1950.00	21.90	198.80	1884.93	-398.29	-110.64	413.31	413.37	195.52	.26
2045.00	22.10	197.60	1973.01	-432.10	-121.75	448.88	448.92	195.74	.52
2140.00	20.60	200.60	2061.49	-464.78	-133.04	483.42	483.44	195.97	1.95
2235.00	20.40	200.70	2150.47	-495.91	-144.77	516.60	516.61	196.27	.21
2329.00	21.60	198.30	2238.23	-527.66	-155.99	550.24	550.24	196.47	1.57

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
2424.00	21.80	198.00	2326.50	-561.04	-166.94	585.35	585.35	196.57	.24
2520.00	21.70	199.90	2415.67	-594.68	-178.49	620.88	620.89	196.71	.74
2615.00	22.50	194.60	2503.69	-628.79	-189.05	656.59	656.59	196.73	2.26
2710.00	22.50	194.80	2591.46	-663.96	-198.27	692.93	692.93	196.63	.08
2806.00	22.60	194.60	2680.12	-699.57	-207.61	729.72	729.72	196.53	.13
2900.00	23.00	194.20	2766.78	-734.85	-216.67	766.13	766.13	196.43	.46
2996.00	22.00	195.00	2855.47	-770.40	-225.93	802.84	802.84	196.34	1.09
3091.00	21.80	195.40	2943.61	-804.59	-235.22	838.27	838.27	196.30	.26
3185.00	21.50	194.70	3030.98	-838.08	-244.22	872.94	872.94	196.25	.42
3280.00	20.70	194.50	3119.61	-871.18	-252.84	907.12	907.13	196.18	.85
3375.00	20.20	194.80	3208.63	-903.29	-261.24	940.29	940.31	196.13	.54
3470.00	18.20	197.20	3298.34	-933.32	-269.82	971.52	971.54	196.12	2.26
3565.00	18.50	197.20	3388.51	-961.89	-278.66	1001.43	1001.45	196.16	.32
3660.00	19.80	196.20	3478.25	-991.74	-287.61	1032.59	1032.61	196.17	1.41
3755.00	21.10	198.10	3567.26	-1023.45	-297.41	1065.78	1065.79	196.20	1.54
3850.00	20.10	197.10	3656.19	-1055.31	-307.52	1099.19	1099.20	196.25	1.12
3945.00	18.60	196.20	3745.82	-1085.46	-316.55	1130.67	1130.68	196.26	1.61
4040.00	16.20	193.30	3836.46	-1112.91	-323.83	1159.06	1159.07	196.22	2.69
4135.00	13.40	191.60	3928.30	-1136.60	-329.09	1183.26	1183.28	196.15	2.98
4230.00	12.40	192.30	4020.91	-1157.35	-333.48	1204.40	1204.43	196.07	1.07
4326.00	10.80	197.20	4114.94	-1176.01	-338.33	1223.68	1223.71	196.05	1.96
4420.00	8.40	192.90	4207.62	-1191.12	-342.47	1239.34	1239.37	196.04	2.66
4515.00	6.90	195.20	4301.77	-1203.39	-345.51	1251.97	1252.01	196.02	1.61
4610.00	4.50	194.50	4396.30	-1212.51	-347.94	1261.40	1261.44	196.01	2.53
4674.00	3.10	193.05	4460.15	-1216.62	-348.96	1265.64	1265.68	196.00	2.19

Projection to bit

4760.00	2.80	193.00	4546.04	-1220.93	-349.96	1270.06	1270.10	195.99	.35
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