

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
Jun 19, 2008

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

WELL API NO.

30-045-35090

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

FEE

7. Lease Name or Unit Agreement Name

RHODA ABRAMS

8. Well Number 2N

9. OGRID Number

217817

10. Pool name or Wildcat

Blanco MV / Basin DK

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 A : 679' feet from the North line and 913' feet from the East line

Section 5 Township 30N Range 11W NMPM San Juan County

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

5766' GR

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 COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☒ SQUEEZE / COMPLETION

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.

Please see attached:



PT will be conducted by Completion Rig. Results will appear on next report.

Spud Date:

03/04/11

Rig Released Date:

03/17/11

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Staff Regulatory Technician

DATE

06/13/11

Type or print name

Marie E. Jaramillo

E-mail address:

marie.e.jaramillo@conocophillips.com

PHONE: 505-326-9865

For State Use Only

APPROVED BY:

TITLE

DATE

6-27-11

Conditions of Approval (if any):

A

PC

Rhoda Abrams 2N
API # 3004535090
Blanco Mesaverde / Basin Dakota
ConocoPhillips

- 03/30/11 RU Weatherford W/L. RIH w/ 3 3/4" guage ring. Ran GR/CCL/CBL logs from 7010' to 15 K.B. Continue to run GR/CCL/CNL from 7010' to 4900'. TOC @ 5000'. (7" shoe @ 4358'). RD W/L.
- 04/11/11 Install Frac valve. PT csg to 6600#30min @ 08:00hrs on 04/11/11. Test-OK.
- 04/12/11 RU Basin W/L to Perf. **Dakota** w/ .34" diam. - 1SPF @ 6786', 6790', 6794', 6798', 6802', 6806', 6812', 6816', 6820', 6824', 6828', 6832', 6836', 6840', 6844', 6851', 6862', 6864', 6866', 6868', 6870', 6872', 6874', 6876', 6878', 6880', 6882', 6884', 6903', 6909', 6911' = 31 Holes. 2SPF @ 6928', 6930', 6932', 6934', 6936', 6940', 6942', 6944', 6946', 6960', 6962', 6964', 6866', 6968', 6970', 6972', 6974', 6976', 6978' = 38 Holes. Total Dakota Holes = 69.
- 04/13/11 Acidize w/ 10bbbls 15% HCL. Frac'd (6786' - 6978') w/ 29,442gals 85% Slickwater N2 Foam w/ 25,860# 20/40 Arizona sand. Total N2: 3,989,400SCF. Start Flowback.
- 04/14/11 ConocoPhillips requests permission to squeeze. The TOC @ 5000'. The inter. 7" @ 4358'. Notified & received verbal approval from Charlie Perrin (OCD) on 04/14/11 to perf. 4 Holes, pump 50sx of cmt & set plug @ 5115'. Will run & submit CBL before proceeding.
- 04/16/11 MIRU W/L. Set CBP @ 5115'. RD W/L.
- 04/18/11 RU Weatherford W/L to perf. w/ .34" diam. - 4 holes @ 4980'. Pumped 2bbl FW spacer, 10bbbls Ultra flush spacer, 2bbbls FW spacer. Pumped 50sx (99cf - 18bbbls=1.97yld) of Premium lite HS FM. Dropped plug & displaced 77bbbls of FW. No returns.
- 04/19/11 RD frac & release.
- 04/20/11 RU Weatherford W/L. Run GR/CCL/CBL from 4976' to 4100' RD W/L, submitted 04/20/11. Conocophillips requests permission for a 2nd squeeze due to cmt bond tapered off between 4840' - 4850'. The TOC @ 4682'. Notified & received verbal approval from Charlie Perrin (OCD) on 04/20/11 to perf. 4 holes, pump 50sx of cmt & set plug @ 4610'. Will run & submit CBL before proceeding.
- RU Weatherford W/L to perf. w/ .34" diam. - 4 holes @ 4640'. RD W/L.
- 04/21/11 Pumped 2bbl FW spacer, 20bbbls Seal bond spacer, 2bbbls FW spacer. Pumped 50sx (99cf - 18bbbls=1.97yld) of Premium lite HS FM. Dropped plug & displaced 71bbbls of FW. Set Plug @ 4610'. Good returns. RD & release.
- 04/23/11 RU master valve. RD & release.
- 04/28/11 MIRU Basic 1549. ND WH. NU BOPE. PT BOPE. Test-OK. Tag cmt @ 4464'. DO plug & cmt. CO & Circ.
- 04/29/11 Run CCL/GRL/CBL/CNL from 5115' to 3500', submitted 04/29/11. Notified & received verbal approval from Charlie Perrin (OCD) to proceed with operations due to 318' of cmt coverage into 7" shoe @ 4358' & TOC @ 4040'. Shut dwn for weekend.
- 05/02/11 Install Frac valve. PT 5000#15min @ 07:00hrs on 05/02/11. Test-OK.
- 05/03/11 RU Weatherford W/L to Perf. **Point Lookout / Lower Menefee** w/ .34" diam. - 1SPF @ 4828', 4788', 4780', 4760', 4747', 4739', 4732', 4724', 4718', 4710', 4702', 4692', 4682', 4660', 4638', 4630', 4566', 4560', 4528', 4520', 4444', 4434', 4430', 4372', 4368' = 25 Holes.
- 05/04/11 Acidize w/ 10bbbls 15% HCL. Frac'd (4368' - 4828') w/ 33,810gals 70% Slickwater N2 Foam w/ 100,540# 20/40 Brady sand. Total N2: 1,093,300SCF. Start Flowback.
- 05/05/11 RIH w/ **CBP @ 4230'**. ND WH. NU BOPE. PT BOPE. Test - failed. Replaced ram door. Re-test-Ok. Tag CBP @ 4230'.
- 05/06/11 M/O CBP @ 4230'. Tag fill @ 4833', CO & circ.
- 05/09/11 RIH tag fill @ 4970'. CO to top of CBP @ 5115'.
- 05/10/11 RIH tag CBP @ 5115'. Blow and flow well.
- 05/11/11 CO & M/O CBP @ 5115'. CO to PBTB @ 7024'. Blow and flow well. Well making too much water.
- 05/17/11 - 05/24/11 Isolated water in producing interval. Determined lower Dakota interval needed to be plugged back & flow tested MV on 05/23/11.
- 05/24/11 Notified & received verbal approval from Charlie Perrin (OCD) to set cmt retainer @ 6920', to squeeze lower Dakota perms. (6928 - 6978') w/ 50sx of Type III neat cmt.
- 05/26/11 Notified Brandon Powell (OCD) due to attempted squeeze & tool failure, could not pump into cmt retainer due to elements missing from RBP. Received verbal approval from Brandon Powell to set CIBP @ 6918', to see if water rate reduced, if water did not reduce then ConocoPhillips proposed to set cmt retainer @ 6890', & attempt to squeeze again w/ same cmt above. RU W/L. RIH, and set CIBP @ 6918'. Engaged fish @ 6903'. TOH lay dwn fish and tools. SDFN.
- 05/27/11 Blow dwn, natural flow 9bbbls 1st hr slowing to 4.5bbbls 2nd hr. TIH w/ production tbng to 6870'. Blow and flow.
- 05/31/11 RU Champion. Pumped 500gals of 15% HCL w/ 2bbbls of 2% KCL. Blow and flow. CO to new **PBTB @ 6918'**.
- 06/01/11 RU Slickline. Run spinner across DK. RD. Circ. CO fill, RIH w/ 221jts, 2 3/8", 4.7#, L-80 tbg set @ 6836' w/ F-Nipple @ 6835'. ND BOPE NU WH. RD RR @ 18:00hrs on 06/01/11.



Scientific Drilling
Directional Drilling Operations

ConocoPhillips

SJB (NM West)
SEC 05-T30N-R11W
Rhoda Abrams #2N



Original Hole

Design: Original Hole

Standard Survey Report

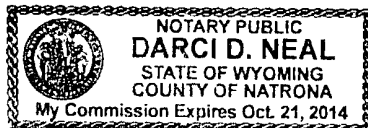
28 March, 2011

This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this date 29th of March, 2011.

Darci D. Neal

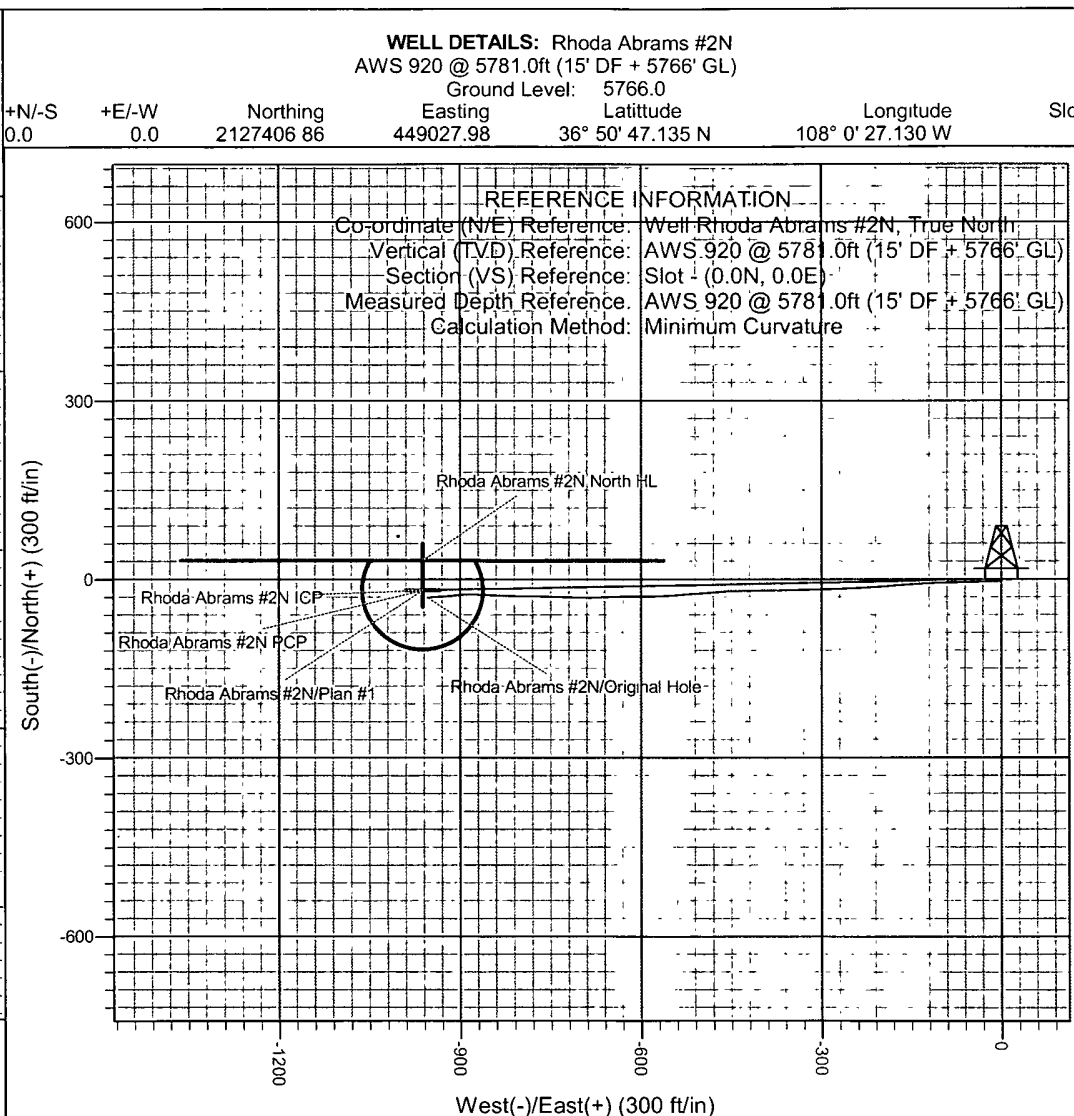
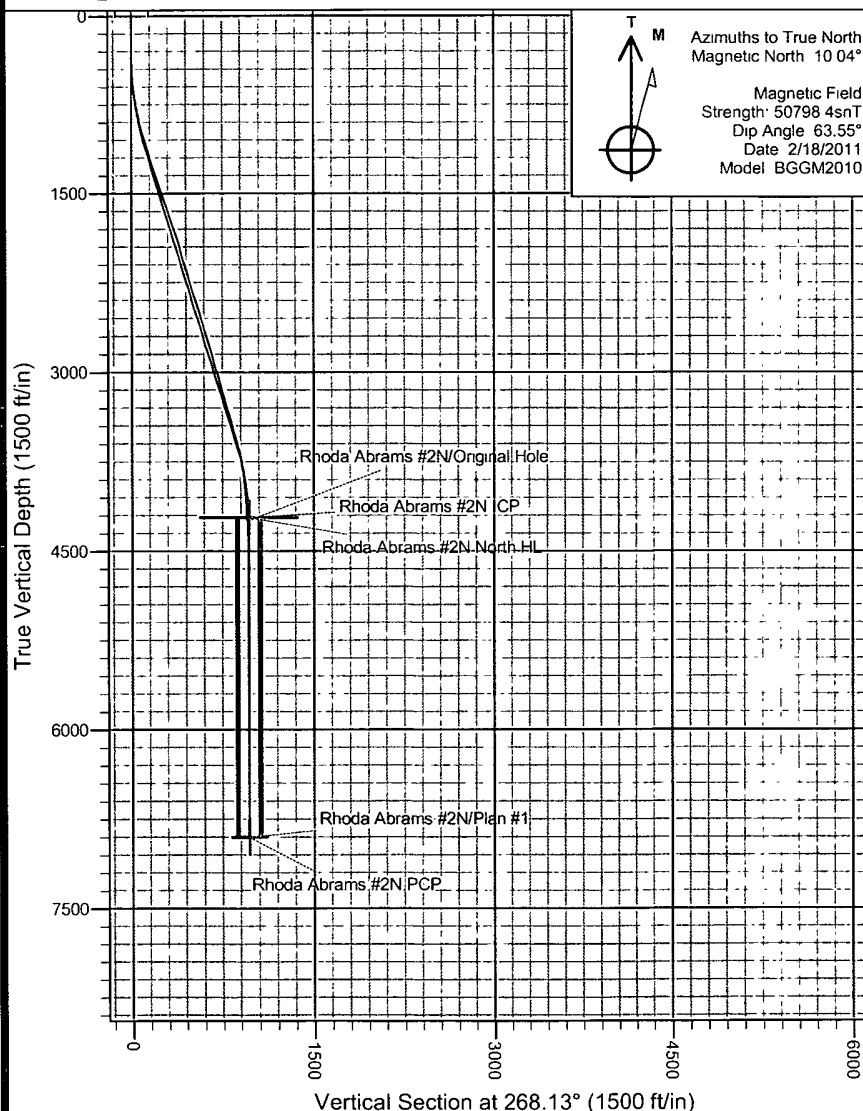
Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips



Project: SJB (NM West)
Site: SEC 05-T30N-R11W
Well: Rhoda Abrams #2N
Wellbore: Original Hole
Design: Original Hole



COMPANY DETAILS: ConocoPhillips
Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Combined Covariances
Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM West)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level

SITE DETAILS: SEC 05-T30N-R11W
San Juan
Site Centre Latitude: 36° 50' 47.135 N
Longitude: 108° 0' 27.130 W
Positional Uncertainty: 7.5
Convergence: -0.10
Local North: True

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Rhoda Abrams #2N
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 5781.0ft (15' DF + 5766' GL)
Site:	SEC 05-T30N-R11W	MD Reference:	AWS 920 @ 5781.0ft (15' DF + 5766' GL)
Well:	Rhoda Abrams #2N	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDMCOP

Project	SJB (NM West), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	SEC 05-T30N-R11W		
Site Position:		Northing:	2,127,406.86 ft
From:	Lat/Long	Easting:	449,027.98 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 50' 47.135 N
		Longitude:	108° 0' 27.130 W
		Grid Convergence:	-0 10 °

Well	Rhoda Abrams #2N, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,127,406.86 ft
	+E/-W	0.0 ft	Easting: 449,027.98 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 50' 47.135 N
		Longitude:	108° 0' 27.130 W
		Ground Level:	5,766.0 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2010	2/18/2011	10.04
			Dip Angle (°) 63.55
			Field Strength (nT) 50,798

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction (°) 268.13

Survey Program	Date 3/28/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
326.0	4,372.0	Survey #1 (Original Hole)	MWD SDI
			Description MWD - Standard ver 1.0.1

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
326.0	0.83	166.04	326.0	-2.3	0.6	-0.5	0.25	0.25	0.00
First SDI MWD Survey									
357.0	0.82	166.44	357.0	-2.7	0.7	-0.6	0.04	-0.03	1.29
388.0	0.92	230.33	388.0	-3.1	0.5	-0.4	2.98	0.32	206.10
418.0	1.48	266.21	418.0	-3.3	0.0	0.1	3.04	1.87	119.60
448.0	2.82	271.01	448.0	-3.3	-1.2	1.3	4.50	4.47	16.00
479.0	3.51	274.66	478.9	-3.2	-2.9	3.0	2.32	2.23	11.77
510.0	4.18	271.55	509.8	-3.1	-4.9	5.0	2.26	2.16	-10.03
541.0	5.26	268.52	540.7	-3.1	-7.5	7.6	3.57	3.48	-9.77
571.0	5.65	268.07	570.6	-3.2	-10.3	10.4	1.31	1.30	-1.50
602.0	6.30	269.43	601.4	-3.3	-13.6	13.7	2.15	2.10	4.39
633.0	7.10	270.27	632.2	-3.3	-17.2	17.3	2.60	2.58	2.71

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Rhoda Abrams #2N
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 5781.0ft (15' DF + 5766' GL)
Site:	SEC 05-T30N-R11W	MD Reference:	AWS 920 @ 5781.0ft (15' DF + 5766' GL)
Well:	Rhoda Abrams #2N	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDMCOP

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
663.0	7.97	266.92	662.0	-3.4	-21.1	21.2	3.25	2.90	-11.17
694.0	8.61	267.99	692.6	-3.6	-25.6	25.7	2.12	2.06	3.45
725.0	9.05	266.97	723.3	-3.8	-30.3	30.4	1.51	1.42	-3.29
756.0	9.70	267.62	753.9	-4.0	-35.4	35.5	2.12	2.10	2.10
787.0	10.32	266.52	784.4	-4.3	-40.8	40.9	2.09	2.00	-3.55
818.0	11.08	267.93	814.8	-4.6	-46.5	46.6	2.59	2.45	4.55
848.0	11.65	269.31	844.3	-4.7	-52.4	52.5	2.11	1.90	4.60
878.0	12.23	267.71	873.6	-4.9	-58.6	58.8	2.23	1.93	-5.33
908.0	13.25	269.66	902.9	-5.0	-65.2	65.4	3.69	3.40	6.50
939.0	14.05	269.81	933.0	-5.0	-72.6	72.7	2.58	2.58	0.48
973.0	15.01	268.59	965.9	-5.2	-81.1	81.2	2.96	2.82	-3.59
1,005.0	15.66	269.37	996.8	-5.3	-89.5	89.7	2.13	2.03	2.44
1,070.0	16.69	268.20	1,059.2	-5.7	-107.6	107.8	1.66	1.58	-1.80
1,135.0	17.12	266.04	1,121.4	-6.7	-126.5	126.7	1.17	0.66	-3.32
1,199.0	17.53	266.58	1,182.5	-7.9	-145.5	145.7	0.69	0.64	0.84
1,261.0	17.41	265.89	1,241.6	-9.1	-164.1	164.3	0.39	-0.19	-1.11
1,326.0	17.84	265.03	1,303.6	-10.7	-183.7	184.0	0.77	0.66	-1.32
1,391.0	18.52	264.80	1,365.3	-12.5	-203.9	204.2	1.05	1.05	-0.35
1,455.0	18.64	266.68	1,426.0	-14.0	-224.3	224.6	0.95	0.19	2.94
1,519.0	19.09	268.58	1,486.5	-14.8	-244.9	245.3	1.19	0.70	2.97
1,584.0	18.56	266.66	1,548.1	-15.7	-265.9	266.3	1.25	-0.82	-2.95
1,649.0	18.88	268.37	1,609.6	-16.6	-286.7	287.1	0.98	0.49	2.63
1,713.0	18.22	268.69	1,670.3	-17.1	-307.1	307.5	1.04	-1.03	0.50
1,778.0	17.51	267.63	1,732.2	-17.8	-327.0	327.4	1.20	-1.09	-1.63
1,842.0	17.23	268.65	1,793.3	-18.4	-346.1	346.5	0.65	-0.44	1.59
1,907.0	16.63	269.64	1,855.4	-18.7	-365.0	365.4	1.02	-0.92	1.52
1,971.0	17.08	270.28	1,916.7	-18.7	-383.6	384.0	0.76	0.70	1.00
2,036.0	16.34	269.75	1,978.9	-18.7	-402.3	402.7	1.16	-1.14	-0.82
2,100.0	16.25	268.52	2,040.4	-18.9	-420.2	420.6	0.56	-0.14	-1.92
2,166.0	15.48	269.28	2,103.9	-19.3	-438.3	438.7	1.21	-1.17	1.15
2,231.0	15.81	265.58	2,166.4	-20.1	-455.8	456.2	1.62	0.51	-5.69
2,295.0	16.58	265.64	2,227.9	-21.4	-473.6	474.0	1.20	1.20	0.09
2,360.0	17.82	265.26	2,290.0	-23.0	-492.7	493.2	1.92	1.91	-0.58
2,425.0	18.62	266.50	2,351.7	-24.4	-513.0	513.5	1.37	1.23	1.91
2,489.0	17.56	263.91	2,412.6	-26.1	-532.8	533.4	2.08	-1.66	-4.05
2,552.0	16.85	267.97	2,472.8	-27.4	-551.4	552.0	2.21	-1.13	6.44
2,616.0	16.07	266.86	2,534.1	-28.2	-569.5	570.1	1.31	-1.22	-1.73
2,681.0	16.54	270.25	2,596.5	-28.7	-587.7	588.3	1.63	0.72	5.22
2,746.0	15.66	270.65	2,659.0	-28.5	-605.8	606.4	1.36	-1.35	0.62
2,810.0	16.33	268.24	2,720.5	-28.7	-623.4	624.0	1.47	1.05	-3.77
2,875.0	16.42	267.48	2,782.9	-29.4	-641.7	642.3	0.36	0.14	-1.17
2,939.0	15.48	267.39	2,844.4	-30.2	-659.3	659.9	1.47	-1.47	-0.14
3,004.0	15.22	268.39	2,907.1	-30.8	-676.5	677.1	0.57	-0.40	1.54
3,069.0	15.60	271.38	2,969.7	-30.9	-693.7	694.4	1.35	0.58	4.60
3,133.0	16.01	271.51	3,031.3	-30.4	-711.1	711.8	0.64	0.64	0.20
3,198.0	16.23	271.74	3,093.8	-29.9	-729.2	729.8	0.35	0.34	0.35
3,262.0	16.19	272.54	3,155.2	-29.2	-747.0	747.6	0.35	-0.06	1.25
3,327.0	15.87	271.78	3,217.7	-28.6	-765.0	765.5	0.59	-0.49	-1.17
3,391.0	15.03	271.00	3,279.4	-28.1	-782.0	782.5	1.35	-1.31	-1.22
3,456.0	15.12	269.95	3,342.1	-28.0	-798.9	799.4	0.44	0.14	-1.62
3,520.0	16.04	271.74	3,403.8	-27.7	-816.1	816.6	1.62	1.44	2.80
3,585.0	16.05	272.73	3,466.3	-27.0	-834.1	834.5	0.42	0.02	1.52
3,649.0	15.97	271.31	3,527.8	-26.4	-851.7	852.1	0.62	-0.13	-2.22
3,714.0	15.22	270.99	3,590.4	-26.1	-869.2	869.6	1.16	-1.15	-0.49

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Rhoda Abrams #2N
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 5781.0ft (15' DF + 5766' GL)
Site:	SEC 05-T30N-R11W	MD Reference:	AWS 920 @ 5781 0ft (15' DF + 5766' GL)
Well:	Rhoda Abrams #2N	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDMCOP

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,778.0	13.72	270.64	3,652.4	-25.8	-885.2	885.5	2.35	-2.34	-0.55	
3,843.0	10.78	264.99	3,715.9	-26.3	-898.9	899.3	4.88	-4.52	-8.69	
3,907.0	8.77	264.34	3,778.9	-27.3	-909.7	910.2	3.15	-3.14	-1.02	
3,972.0	8.56	262.93	3,843.2	-28.4	-919.5	919.9	0.46	-0.32	-2.17	
4,036.0	6.65	267.45	3,906.6	-29.1	-927.9	928.4	3.13	-2.98	7.06	
4,101.0	6.05	267.34	3,971.2	-29.4	-935.1	935.6	0.92	-0.92	-0.17	
4,165.0	4.80	267.40	4,034.9	-29.7	-941.1	941.6	1.95	-1.95	0.09	
4,315.0	2.70	259.52	4,184.6	-30.6	-950.9	951.4	1.44	-1.40	-5.25	
Last SDI MWD Survey										
4,372.0	2.70	259.52	4,241.5	-31.1	-953.5	954.0	0.00	0.00	0.00	
Projection to TD										

Checked By: _____ Approved By: _____ Date: _____

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

AS DRILLED PLAT



Form C-102

Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 35090		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 36839	*Property Name RHODA ABRAMS		*Well Number 2 N
*OGRD No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 5766'

10 Surface Location

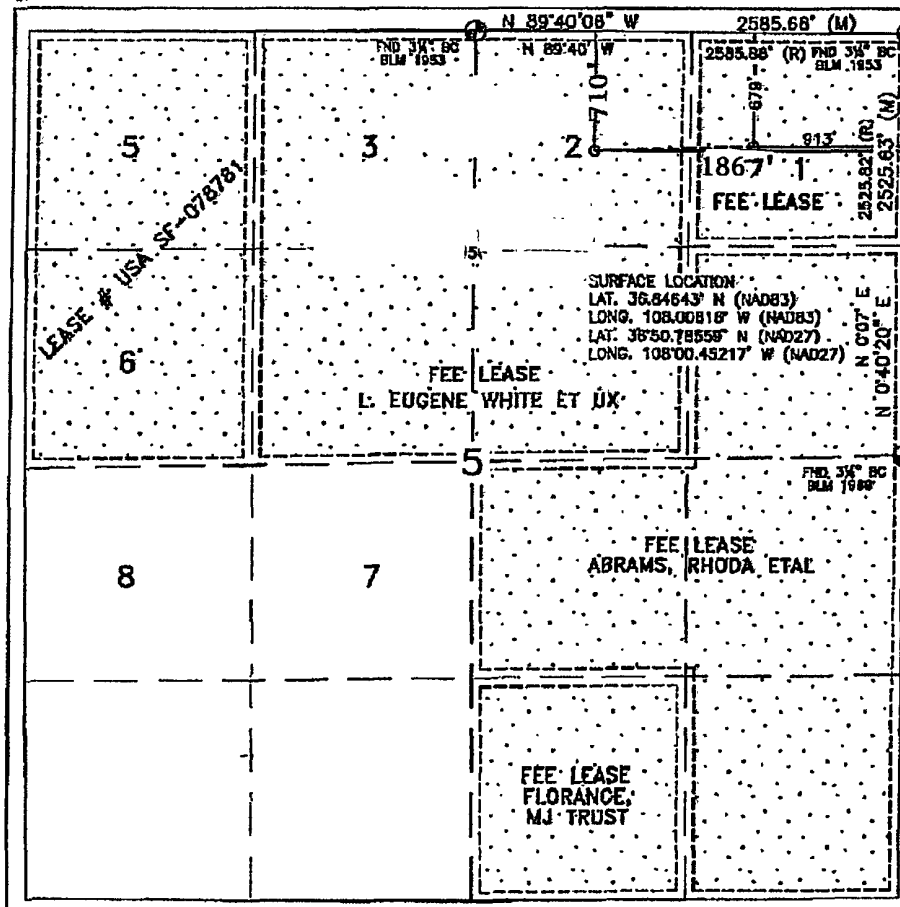
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	5	30N	11W	1	579'	NORTH	913'	EAST	SAN JUAN

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
B	5	30N	11W	2	710'	NORTH	1867'	EAST	SAN JUAN
*Dedicated Acres MV-319.71 Acres - (E/2) DK-319.27 Acres - (N/2)		*Joint or Infill		*Consolidation Code		*Order No.			

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

10



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 location. And location or has a right to drill this well at this location pursuant to a contract with me or under my supervision, and that the same is true and correct to the best of my belief.	
Signature	Date
Marie E. Jaramillo	6/17/11
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.	
NOVEMBER 11, 2008	
Date of Survey	
Signature and Seal of Professional Surveyor	
David R. Russell	
Certificate Number	
10201	

A

Operator CONOCOPHILLIPS COMPANY	Legal WellName RHODA ABRAMS #2N	API / UWI 3004535090	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 005-030N-011W-A	N/S Dist (ft) 679.00	N/S Ref FNL	E/W Dist (ft) 913.00	E/W Ref FEL

Date	MD (ft)	Incl (°)	Method	Survey Company
3/5/2011	0.00	0.00	IncAzi-MWD	Scientific Drilling
3/4/2011	285.00	0.75	Inc-Drop	AZTEC DRILLING
3/5/2011	326.00	0.83	IncAzi-MWD	Scientific Drilling
3/5/2011	357.00	0.82	IncAzi-MWD	Scientific Drilling
3/5/2011	388.00	0.92	IncAzi-MWD	Scientific Drilling
3/5/2011	418.00	1.48	IncAzi-MWD	Scientific Drilling
3/5/2011	448.00	2.82	IncAzi-MWD	Scientific Drilling
3/5/2011	479.00	3.51	IncAzi-MWD	Scientific Drilling
3/5/2011	510.00	4.18	IncAzi-MWD	Scientific Drilling
3/5/2011	541.00	5.26	IncAzi-MWD	Scientific Drilling
3/5/2011	571.00	5.65	IncAzi-MWD	Scientific Drilling
3/5/2011	602.00	6.30	IncAzi-MWD	Scientific Drilling
3/5/2011	633.00	7.10	IncAzi-MWD	Scientific Drilling
3/5/2011	663.00	7.97	IncAzi-MWD	Scientific Drilling
3/5/2011	694.00	8.61	IncAzi-MWD	Scientific Drilling
3/5/2011	725.00	9.05	IncAzi-MWD	Scientific Drilling
3/5/2011	756.00	9.70	IncAzi-MWD	Scientific Drilling
3/5/2011	787.00	10.32	IncAzi-MWD	Scientific Drilling
3/5/2011	818.00	11.08	IncAzi-MWD	Scientific Drilling
3/6/2011	848.00	11.65	IncAzi-MWD	Scientific Drilling
3/6/2011	878.00	12.23	IncAzi-MWD	Scientific Drilling
3/6/2011	908.00	13.25	IncAzi-MWD	Scientific Drilling
3/6/2011	939.00	14.05	IncAzi-MWD	Scientific Drilling
3/6/2011	973.00	15.01	IncAzi-MWD	Scientific Drilling
3/6/2011	1,005.00	15.66	IncAzi-MWD	Scientific Drilling
3/6/2011	1,070.00	16.69	IncAzi-MWD	Scientific Drilling
3/6/2011	1,135.00	17.12	IncAzi-MWD	Scientific Drilling
3/6/2011	1,199.00	17.53	IncAzi-MWD	Scientific Drilling
3/6/2011	1,261.00	17.41	IncAzi-MWD	Scientific Drilling
3/6/2011	1,326.00	17.84	IncAzi-MWD	Scientific Drilling
3/6/2011	1,391.00	18.52	IncAzi-MWD	Scientific Drilling
3/6/2011	1,455.00	18.64	IncAzi-MWD	Scientific Drilling
3/6/2011	1,519.00	19.09	IncAzi-MWD	Scientific Drilling
3/6/2011	1,584.00	18.56	IncAzi-MWD	Scientific Drilling
3/6/2011	1,649.00	18.88	IncAzi-MWD	Scientific Drilling
3/6/2011	1,713.00	18.22	IncAzi-MWD	Scientific Drilling

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 _____



4

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
3/6/2011	1,778.00	17.51	IncAzi-MWD	Scientific Drilling	
3/6/2011	1,842.00	17.23	IncAzi-MWD	Scientific Drilling	
3/6/2011	1,907.00	16.63	IncAzi-MWD	Scientific Drilling	
3/6/2011	1,971.00	17.08	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,036.00	16.34	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,100.00	16.25	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,166.00	15.48	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,231.00	15.81	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,295.00	16.58	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,360.00	17.82	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,425.00	18.62	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,489.00	17.56	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,552.00	16.85	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,616.00	16.07	IncAzi-MWD	Scientific Drilling	
3/6/2011	2,681.00	16.54	IncAzi-MWD	Scientific Drilling	
3/7/2011	2,746.00	15.66	IncAzi-MWD	Scientific Drilling	
3/7/2011	2,810.00	16.33	IncAzi-MWD	Scientific Drilling	
3/7/2011	2,875.00	16.42	IncAzi-MWD	Scientific Drilling	
3/7/2011	2,939.00	15.48	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,004.00	15.22	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,069.00	15.60	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,133.00	16.01	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,198.00	16.23	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,262.00	16.19	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,327.00	15.87	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,391.00	15.03	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,456.00	15.12	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,520.00	16.04	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,585.00	16.05	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,649.00	15.97	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,714.00	15.22	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,778.00	13.72	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,843.00	10.78	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,907.00	8.77	IncAzi-MWD	Scientific Drilling	
3/7/2011	3,972.00	8.56	IncAzi-MWD	Scientific Drilling	
3/7/2011	4,036.00	6.65	IncAzi-MWD	Scientific Drilling	
3/7/2011	4,101.00	6.05	IncAzi-MWD	Scientific Drilling	
3/7/2011	4,165.00	4.80	IncAzi-MWD	Scientific Drilling	
3/8/2011	4,315.00	2.70	IncAzi-MWD	Scientific Drilling	

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 _____

Survey Data

Date	MD (ftKB)	Incl. (°)	Method	Survey Company
3/8/2011	4,372.00	2.70	IncAzi-MWD	Scientific Drilling
3/22/2011	7,005.00	1.50	Inc-WL	Phoenix Services LLC

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.

[Signature]

Subscribed and sworn to me this 6/17/11

[Signature]
Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14