

6/27/08 DATE IN	SUSPENSE	Brooks ENGINEER	6/30/08 LOGGED IN	NSL TYPE	PKVR0818232756 APP NO.
--------------------	----------	--------------------	----------------------	-------------	---------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



*Burlington Resources
Oil & Gas Co. LP.
McCard B#1F
San Juan*

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☒ Offset Operators, Leaseholders or Surface Owner
[C] ☐ Application is One Which Requires Published Legal Notice
[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Patsy Clugston

Print or Type Name

Patsy Clugston

Signature

Regulatory Specialist

Title

6/25/08

Date

clugspl@conocophillips.com
e-mail Address

RECEIVED
2008 JUN 27 PM 2 50

*NSL-5879
30-645-34200*

Burlington Resources Oil & Gas, LP

3401 E. 30th Street
Farmington, NM 87401

June 24, 2008
Sent Overnight UPS

New Mexico Oil Conservation Division
NSL Examiner
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: McCord B #1F
Unit L (NWSW), 2335' FSL & 621' FWL, Sec. 23, T30N, R13W, NMPM
San Juan Co, New Mexico
API - 30-045-34200

W/2

Surface Location

BH Location

Dear Sir:

This is a request for administrative approval for a non-standard gas well location in the Basin Dakota pool.

The McCord was staked at a standalone Dakota wells and was staked at a standard location for the Dakota pool as per Order R-10987B(2). The well was staked in a popular Recreational Area of the Four Corners called the Glade or Chokecherry Canyon and was placed in its current location between two hills and a bit off the road to avoid an area extensively used by off-road vehicles.

While drilling the subject well we deviated under the 5 degrees as allowed by the OCD per Rule 104 & 111B (2). The percentage deviated was 3.5 degrees and after running a gyro deviation at the request of the NMOCD Aztec Division it was determined that the wellbore deviated northwesterly resulting in the well being NSL by approximately 40'.

Production from the Basin Dakota is included in the 320 acre gas proration unit on the W/2 of Section 23. To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. Approved APD cover page, sundry for a moved location approval with the C102 plat showing location of the well
2. 9 Section Plan showing wells in the area
3. Offset Operator Plat for Section 22
4. Topo and aerial maps showing the location of the well
5. Copy of the Deviation report submitted to the NMOCD Aztec Office

Energy Resources Corporation is the Off-set Operator of Section 23, T30N, R13W and notice has been sent to them also. Please let me know if you have any questions about this application at 505-326-9518.

Sincerely,

Patsy Clugston

Patsy Clugston
Regulatory Specialist

McCord B #1F

Unit L (NWSW), 2335' FSL & 690' FWL, Sec. 23, T30N, R13W, NMPM

San Juan Co, New Mexico

API - 30-045-34200

I hereby certify that the following offset owner/operator has been notified by certified mail of our application for administrative approval for non-standard well locations of the above stated well.

Energen Resources Corporation

Attn: Gillian Black

2198 Bloomfield Hwy

Farmington, NM 87401

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -1 PM 3:32

1a. Type of Work DRILL	5. Lease Number SF-078213 Unit Reporting Number NM NM -73766-DK
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name McCord B 9. Well Number #1F
4. Location of Well Unit L (NWSW), 2410' FSL & 670' FWL, Latitude 36° 47.88886 N Longitude 108° 10.85642 W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 23, T30N, R13W API # 30-045-34200
14. Distance in Miles from Nearest Town 35.5 miles 21 mile	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 670'	
16. Acres in Lease	17. Acres Assigned to Well 320 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease	
19. Proposed Depth 6439'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5664' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	RCUD AUG 14 '07 OIL CONS. DIV.
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	3-1-07 Date DIST. 3

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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

Example Master Plan Type 3

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

810-07
BH

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045- 34200		Pool Code 71599	Pool Name BASIN OAKOTA
Property Code 7301	Property Name McCORD B		Well Number 1F
OGRIID No. 14538	Operator Name BURLINGTON RESOURCES O&G CO LP		Elevation 5664'

¹⁰ Surface Location

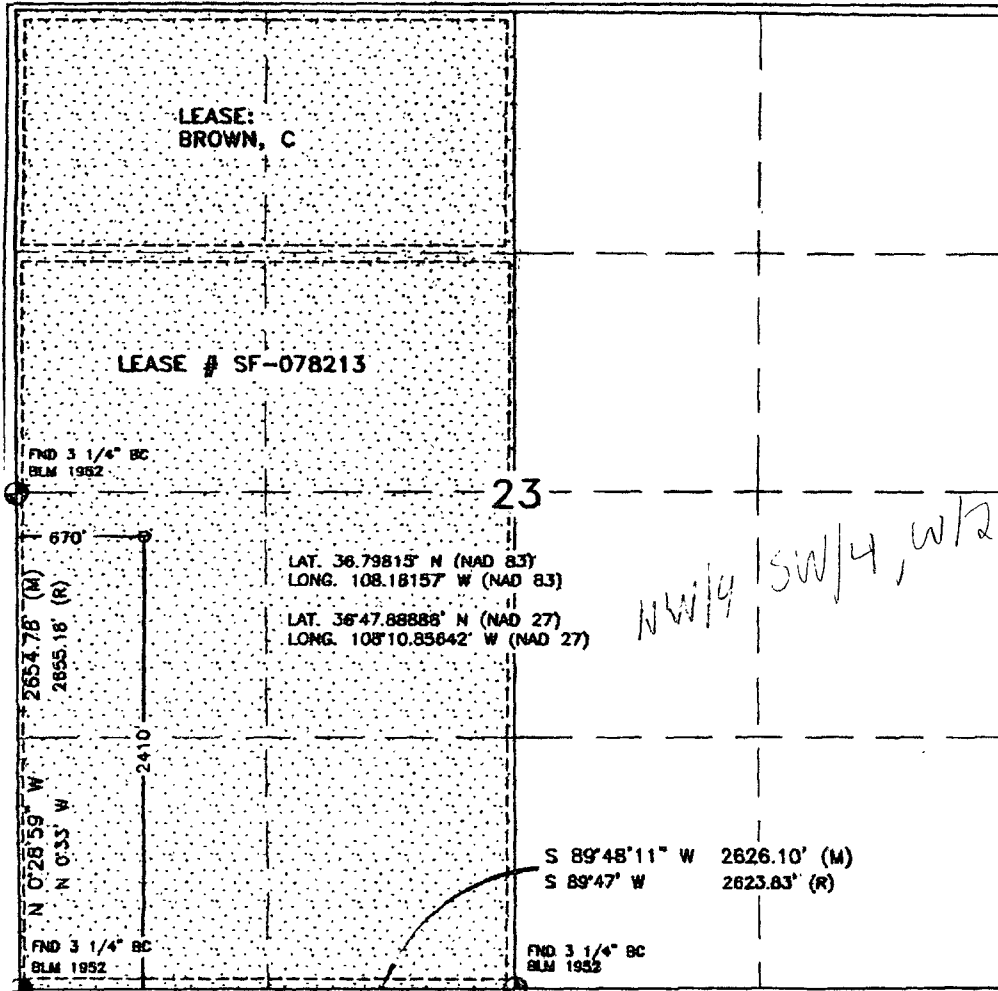
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	30N	13W		2410'	SOUTH	670'	WEST	SAN JUAN

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
L									
Dedicated Acres 320. Acres - (W/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

16



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 or a compulsory pooling order heretofore entered by the division.

Kandis Roland 2/2/07
Signature Date
Kandis Roland

Printed Name

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.

JANUARY 23, 2007

Date of Survey

Signature and Seal of Professional Surveyor

David Russell

DAVID RUSSELL

Certificate Number

10201

submitted in lieu of Form 3160-5
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2007 AUG 21 PM 3:59

RECEIVED
BLM
210 EAST WITCHAM

1. Type of Well
GAS

2. Name of Operator
Burlington Resources

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

5. Lease Number
SF-078213
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
McCord B 1F
9. API Well No.
30-045-34200
10. Field and Pool
Basin Dakota
San Juan Co., NM

New: Unit L (NWSW), 2380' FSL & 690' FWL, Section 23, T30N, R13W, NMPM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment
☐ Abandonment
☐ Plugging
☐ Casing Repair
☐ Altering Casing
☐ Change of Plans
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

☒ Other - move location

RCVD AUG 24 '07
OIL CONS. DIV.
DIST. 3

13. Describe Proposed or Completed Operations

Move location from 2410' FSL & 670' FWL to **2380' FSL & 690' FWL**. Please change your records.

Attached is the new C-102, TOPO, cut and fill, and driving directions.

This move was OKed by R. Herrera 8/23/07

14. I hereby certify that the foregoing is true and correct.

Signed Rhonda Rogers Rhonda Rogers Title Regulatory Technician Date 8/21/07

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Petr. Eng. Date 8/23/07

CONDITION OF APPROVAL, if any:

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

NMOC

DISTRICT I
1625 N French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

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

OIL CONSERVATION DIVISION

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

RCUD AUG 24 '07

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT OIL CONS. DIV.

¹ API Number 30-045-	² Pool Code 71599	³ Pool Name Basin DAKOTA	DIST. 3
⁴ Property Code 7301	⁵ Property Name McCord B		⁶ Well Number 1F
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES O&G CO LP		⁹ Elevation 5665'

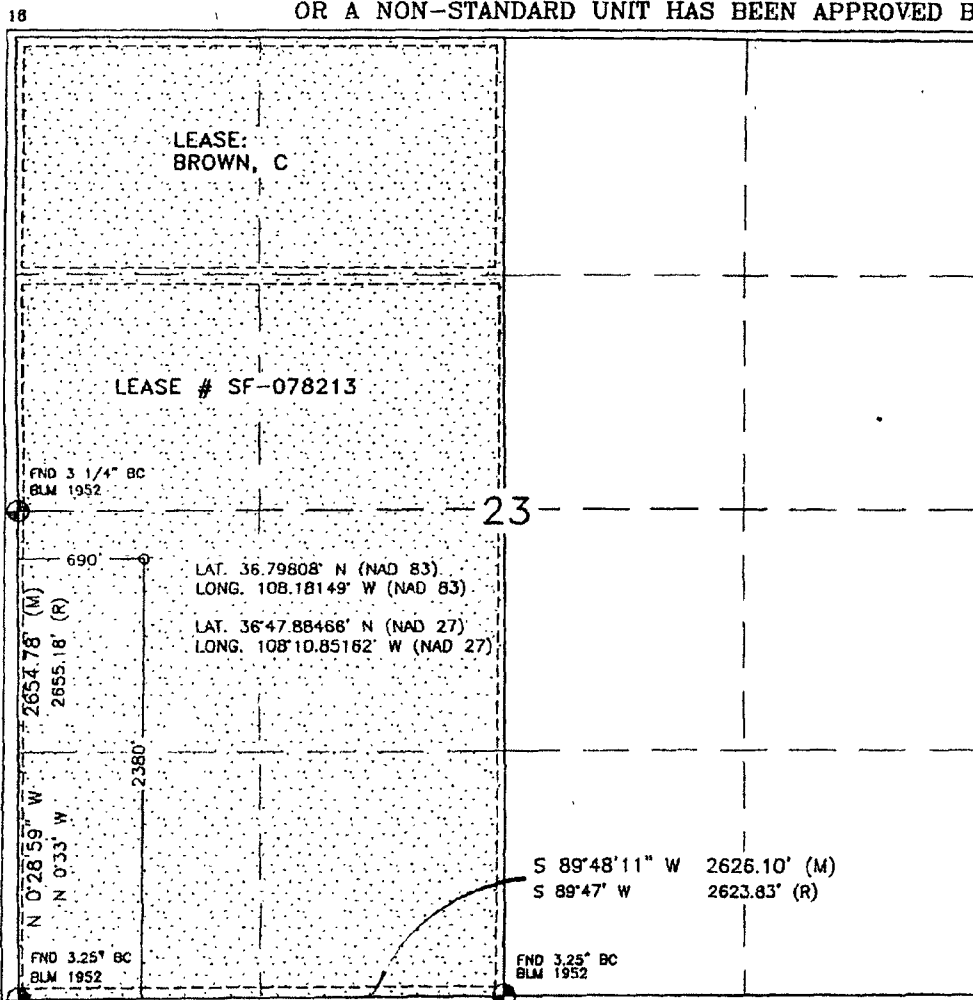
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	30N	13W		2380'	SOUTH	690'	WEST	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
L									
¹² Dedicated Acres 320.49 Acres - (W/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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



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 or a compulsory pooling order heretofore entered by the division.

Rhonda Rogers 8-21-07
Signature Date

Rhonda Rogers

Printed Name

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.

MAY 11, 2007

Date of Survey

Signature and Seal of Professional Surveyor

David R. Russell



DAVID RUSSELL

Certificate Number

10201

Legend

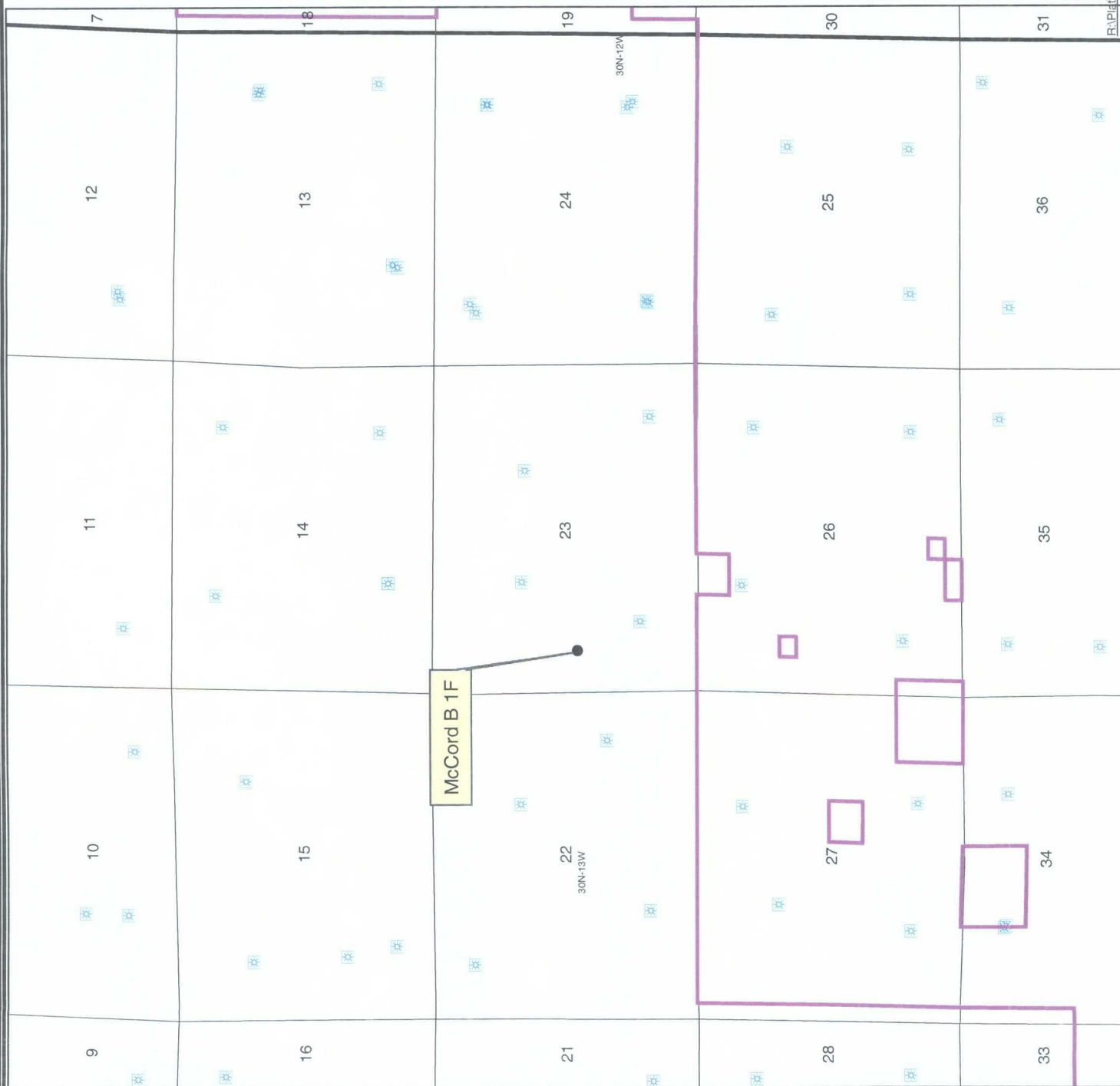
DAKOTA



ConocoPhillips
© Unpublished Work, ConocoPhillips

McCord B 1F
Sec. 23, T30N, R13W
Nine Section Plat

Author:
Compiled by:
Date: 2/6/2008
Scale: <Scale>
Project File: C:\Users\jphillips\Documents\San Juan Basin Template.mxd



R1 Plat

DAKOTA



- 1" equals 1,877'

GCS North American 1927



ConocoPhillips

© Unpublished Work, ConocoPhillips

McCord B 1F
Sec. 23, T30N, R13W
Offset Operator

Date: 2/6/2008

Scale: <Scale>

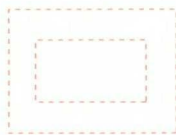
R:\Platform\Biosci\Projects\San Juan Basin Template.mxd

Legend

DAKOTA



Setback 660'



1" equals 1,408'

GCS North American 1927



ConocoPhillips
© Unpublished Work, ConocoPhillips

McCord B 1F
Sec. 23, T30N, R13W
2410' FSL, 621' FWL
Topography Map

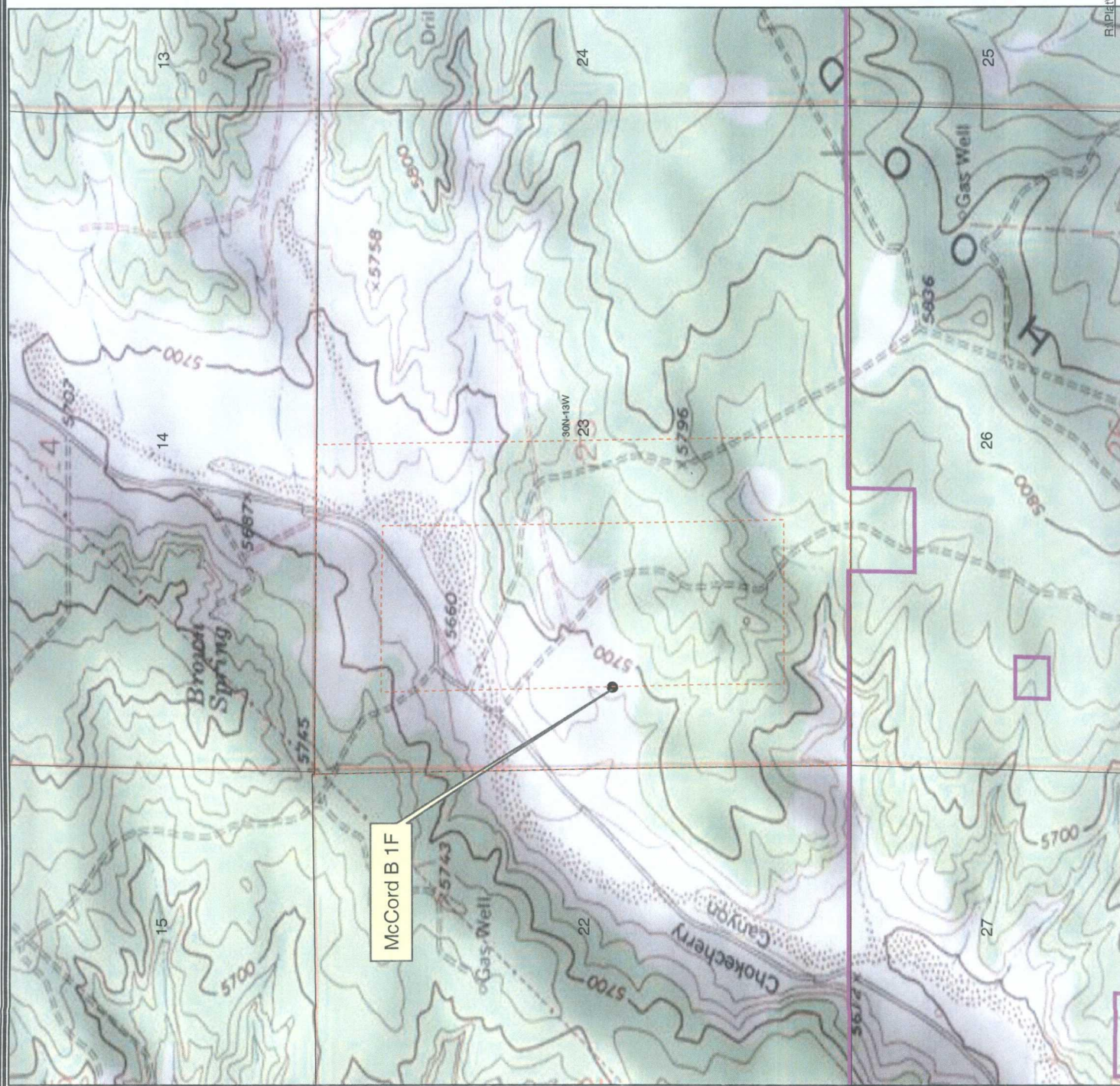
Author: 2/6/2008

Scale: <Scale>

Compiled by:

Project: Projects\San Juan Basin Template.mxd

R:\Plan



Legend

DAKOTA



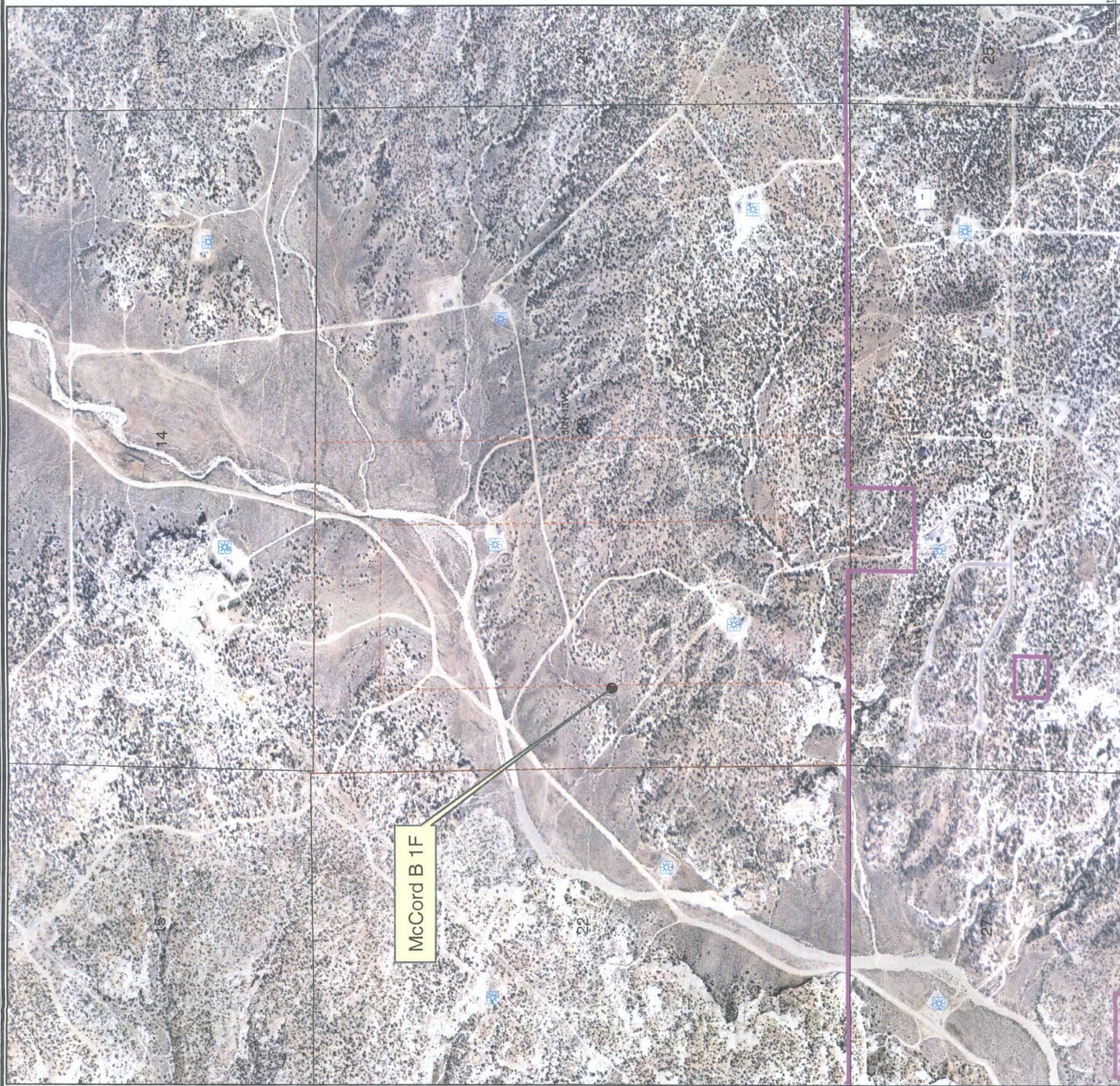
Setback 660'



ConocoPhillips
© Unpublished Work, ConocoPhillips

McCord B 1F
Sec. 23, T30N, R13W
2410' FSL, 621' FWL
Aerial Map

Author:	Date: 2/6/2008
Compiled by:	Scale: <Scale>
Project Path: \\San Juan Basin Template.mxd	



ConocoPhillips**COP Deviation Report****MCCORD B #1F**

Operator BURLINGTON RESOURCES OIL & GAS COMPANY	Legal WellName MCCORD B #1F	API / UWI 3004534200	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location SEC:23;TWN:030N;RNG:013W	BHL 2335/S 621/W	N/S Dist (ft) 2,410.00	N/S Ref FSL	E/W Dist (ft) 670.00
				E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/13/2008	100.00	0.56	Gyro MS	Scientific Drilling
2/6/2008	125.00	1.00	DEVIATION	MOTE
6/13/2008	200.00	0.64	Gyro MS	Scientific Drilling
2/6/2008	230.00	1.00	DEVIATION	MOTE
6/13/2008	300.00	0.72	Gyro MS	Scientific Drilling
6/13/2008	400.00	0.58	Gyro MS	Scientific Drilling
6/13/2008	500.00	0.82	Gyro MS	Scientific Drilling
6/13/2008	600.00	0.54	Gyro MS	Scientific Drilling
3/15/2008	660.00	0.25	Incl	AWS #777
6/13/2008	700.00	0.38	Gyro MS	Scientific Drilling
6/13/2008	800.00	0.13	Gyro MS	Scientific Drilling
6/13/2008	900.00	0.39	Gyro MS	Scientific Drilling
6/13/2008	1,000.00	0.05	Gyro MS	Scientific Drilling
6/13/2008	1,100.00	0.08	Gyro MS	Scientific Drilling
6/13/2008	1,200.00	0.15	Gyro MS	Scientific Drilling
3/15/2008	1,240.00	0.25	Incl	AWS #777
6/13/2008	1,300.00	0.59	Gyro MS	Scientific Drilling
6/13/2008	1,400.00	0.95	Gyro MS	Scientific Drilling
6/13/2008	1,500.00	1.16	Gyro MS	Scientific Drilling
6/13/2008	1,600.00	0.88	Gyro MS	Scientific Drilling
6/13/2008	1,700.00	1.33	Gyro MS	Scientific Drilling
3/15/2008	1,749.00	1.25	Incl	AWS #777
6/13/2008	1,800.00	1.83	Gyro MS	Scientific Drilling
6/13/2008	1,900.00	1.70	Gyro MS	Scientific Drilling
6/13/2008	2,000.00	1.56	Gyro MS	Scientific Drilling
6/13/2008	2,100.00	0.86	Gyro MS	Scientific Drilling
6/13/2008	2,200.00	0.75	Gyro MS	Scientific Drilling
3/16/2008	2,249.00	1.25	Incl	AWS #777
6/13/2008	2,300.00	0.87	Gyro MS	Scientific Drilling
6/13/2008	2,400.00	0.84	Gyro MS	Scientific Drilling
6/13/2008	2,500.00	1.17	Gyro MS	Scientific Drilling
6/13/2008	2,600.00	1.49	Gyro MS	Scientific Drilling
6/13/2008	2,700.00	1.07	Gyro MS	Scientific Drilling
3/16/2008	2,749.00	1.25	Incl	AWS #777

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.

Any surveys taken by MOTE
or AWS are invalid.
Only the gyro survey taken by
Scientific Drilling is valid. Andrew

Subscribed and sworn to me this 16TH DAY OF JUNE 2008

WOLF CREEK FOR NSL

RCVD JUN 17 08
OIL CONS. DIV.
DIST. 3

Shirley A. Moore
Notary Public in and for San Juan County, New Mexico

My Commission expires Jan 24, 2011

Survey Data

Date	MD (RKB)	Incl (°)	Method	Survey Company
6/13/2008	2,800.00	1.04	Gyro MS	Scientific Drilling
6/13/2008	2,900.00	1.09	Gyro MS	Scientific Drilling
6/13/2008	3,000.00	1.10	Gyro MS	Scientific Drilling
6/13/2008	3,100.00	0.79	Gyro MS	Scientific Drilling
6/13/2008	3,200.00	1.03	Gyro MS	Scientific Drilling
3/16/2008	3,245.00	1.25	Incl	AWS #777
6/13/2008	3,300.00	1.06	Gyro MS	Scientific Drilling
6/13/2008	3,400.00	0.88	Gyro MS	Scientific Drilling
6/13/2008	3,500.00	0.23	Gyro MS	Scientific Drilling
3/16/2008	3,575.00	0.75	Incl	AWS #777
6/13/2008	3,600.00	0.14	Gyro MS	Scientific Drilling
6/13/2008	3,700.00	0.35	Gyro MS	Scientific Drilling
6/13/2008	3,800.00	0.30	Gyro MS	Scientific Drilling
6/13/2008	3,900.00	0.23	Gyro MS	Scientific Drilling
6/13/2008	4,000.00	0.33	Gyro MS	Scientific Drilling
6/13/2008	4,100.00	0.14	Gyro MS	Scientific Drilling
6/13/2008	4,200.00	0.08	Gyro MS	Scientific Drilling
3/21/2008	4,280.00	1.00	Incl	AWS #777
6/13/2008	4,300.00	0.42	Gyro MS	Scientific Drilling
6/13/2008	4,400.00	0.63	Gyro MS	Scientific Drilling
6/13/2008	4,500.00	0.77	Gyro MS	Scientific Drilling
6/13/2008	4,600.00	0.80	Gyro MS	Scientific Drilling
6/13/2008	4,700.00	0.92	Gyro MS	Scientific Drilling
3/22/2008	4,798.00	1.00	Incl	AWS #777
6/13/2008	4,800.00	0.81	Gyro MS	Scientific Drilling
6/13/2008	4,900.00	1.10	Gyro MS	Scientific Drilling
6/13/2008	5,000.00	1.54	Gyro MS	Scientific Drilling
6/13/2008	5,100.00	1.82	Gyro MS	Scientific Drilling
6/13/2008	5,200.00	2.13	Gyro MS	Scientific Drilling
3/23/2008	5,276.00	2.00	Incl	AWS #777
6/13/2008	5,300.00	2.41	Gyro MS	Scientific Drilling
6/13/2008	5,400.00	2.36	Gyro MS	Scientific Drilling
6/13/2008	5,500.00	3.09	Gyro MS	Scientific Drilling
6/13/2008	5,600.00	3.61	Gyro MS	Scientific Drilling
6/13/2008	5,700.00	3.87	Gyro MS	Scientific Drilling
3/25/2008	5,722.00	4.00	Incl	AWS #777
6/13/2008	5,800.00	3.90	Gyro MS	Scientific Drilling
6/13/2008	5,900.00	3.67	Gyro MS	Scientific Drilling
3/26/2008	5,972.00	4.00	Incl	AWS #777

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
6/13/2008	6,000.00	3.42	Gyro MS	Scientific Drilling
6/13/2008	6,100.00	3.62	Gyro MS	Scientific Drilling
3/27/2008	6,169.00	4.75	Incl	AWS #777
6/13/2008	6,200.00	3.93	Gyro MS	Scientific Drilling
6/13/2008	6,250.00	3.99	Gyro MS	Scientific Drilling
3/28/2008	6,428.00	5.00	Incl	AWS #777
3/28/2008	6,611.00	6.00	Incl	AWS #777

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 _____



Scientific Drilling

Gyroscopic Survey Report for CONOCOPHILLIPS

Well Location	SF-078213
Well Name	MCCORD B #1F
Rig Name	
Survey Date	6/13/2008
Latitude	36.80 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	RKB 15'
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 0.00Azim (deg)
Definitive Survey	INRUN
Operator	CHRIS RICHEY

Comments

RAN SURVEY IN 2 3/8 TUBING FROM SURFACE TO 6250 MD.



Scientific Drilling

Survey Report

Well Name: MCCORD B #1F

Survey: INRUN

Survey Date: 6/13/2008

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
0.00	0.00	0 00	0 00	0 00	0 00	0.00	Invalid	0 00	0 00
100.00	0 56	49.59	100 00	0.32	0 32	0.37	0 56	0.49	49 59
200.00	0 64	8 37	199 99	1 19	1 19	0 83	0 43	1 45	34 90
300.00	0 72	20.65	299 99	2 33	2.33	1 13	0.16	2.59	25.93
400.00	0.58	18 95	399 98	3.39	3 39	1 52	0 14	3 71	24.09
500.00	0 82	14 53	499 97	4.56	4.56	1.86	0 25	4 93	22 18
600.00	0.54	343.13	599.97	5.71	5.71	1.90	0.46	6.02	18.42
700.00	0.38	350 51	699 96	6 49	6.49	1 71	0.18	6 71	14 75
800.00	0 13	295 79	799 96	6.87	6 87	1.55	0 32	7 04	12 75
900.00	0.39	300 44	899.96	7 09	7 09	1 16	0.27	7 18	9 25
1000.00	0 05	271.40	999 96	7.27	7 27	0.81	0 35	7.31	6 40
1100.00	0.08	187 28	1099 96	7 20	7.20	0 76	0.09	7 24	6 05
1200.00	0.15	71.02	1199.96	7.18	7.18	0 88	0 19	7 23	6.96
1300.00	0.59	195 35	1299 96	6.72	6 72	0.86	0 68	6.78	7 30
1400.00	0 95	193.58	1399 95	5 42	5.42	0.53	0 36	5 45	5 60
1500.00	1 16	189 10	1499 93	3 62	3 62	0.18	0.23	3.62	2.80
1600.00	0.88	192.93	1599 92	1.87	1.87	-0 16	0 29	1.87	355 24
1700.00	1.33	209 83	1699.90	0.11	0.11	-0 90	0 55	0 91	277 10
1800.00	1.83	206.91	1799 86	-2 32	-2 32	-2 20	0.51	3 20	223 56
1900.00	1 70	202.06	1899.81	-5.12	-5 12	-3 48	0 20	6.19	214.25
2000.00	1 56	197 68	1999 77	-7 79	-7 79	-4 46	0 18	8.98	209 76
2100.00	0 86	208 74	2099.75	-9.75	-9.75	-5 23	0 74	11 06	208 21
2200.00	0 75	214.96	2199 74	-10.95	-10.95	-5.97	0.14	12 47	208.60
2300.00	0.87	225 57	2299 73	-12.02	-12.02	-6 89	0.19	13.85	209 81
2400.00	0.84	244.29	2399.72	-12 86	-12.86	-8 09	0.28	15 19	212.16
2500.00	1.17	241.27	2499 70	-13.67	-13.67	-9 64	0 33	16 73	215 19
2600.00	1.49	221.63	2599.67	-15 13	-15 13	-11.40	0.56	18.95	216 99
2700.00	1.07	213 52	2699 65	-16 88	-16 88	-12 78	0 46	21 17	217 12
2800.00	1.04	203 00	2799.63	-18.49	-18.49	-13.65	0.20	22 98	216 43
2900.00	1 09	209 53	2899 62	-20 15	-20 15	-14 47	0 13	24.81	215 68
3000.00	1 10	229.18	2999 60	-21.61	-21.61	-15.66	0.37	26 69	215 94
3100.00	0.79	210 04	3099.58	-22 83	-22 83	-16 74	0 44	28.31	216.24
3200.00	1.03	231 96	3199 57	-23 99	-23 99	-17 79	0 42	29 87	216 57
3300.00	1 06	227.85	3299 56	-25.16	-25.16	-19.19	0.08	31.64	217 33
3400.00	0 88	183 78	3399.54	-26 55	-26 55	-19 92	0.75	33 19	216 88
3500.00	0 23	107 27	3499.54	-27 38	-27.38	-19.79	0 86	33 78	215.86
3600.00	0.14	257.69	3599 54	-27 46	-27 46	-19 72	0 36	33 81	215 68
3700.00	0.35	257.28	3699 54	-27.56	-27.56	-20 14	0.21	34.13	216.17
3800.00	0 30	145 63	3799.54	-27 84	-27 84	-20 29	0 54	34 45	216 09



Scientific Drilling

Survey Report

Well Name:		MCCORD B #1F								
Survey:		INRUN								
Survey Date:		6/13/2008								
MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle	
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg	
3900.00	0.23	114.17	3899.53	-28.14	-28.14	-19.96	0.16	34.51	215.35	
4000.00	0.33	112.55	3999.53	-28.34	-28.34	-19.51	0.11	34.41	214.55	
4100.00	0.14	95.53	4099.53	-28.46	-28.46	-19.12	0.20	34.29	213.90	
4200.00	-0.08	32.25	4199.53	-28.41	-28.41	-18.96	0.13	34.16	213.72	
4300.00	0.42	54.62	4299.53	-28.13	-28.13	-18.63	0.35	33.74	213.50	
4400.00	0.63	42.56	4399.53	-27.52	-27.52	-17.96	0.23	32.86	213.12	
4500.00	0.77	47.63	4499.52	-26.66	-26.66	-17.09	0.16	31.67	212.66	
4600.00	0.80	43.03	4599.51	-25.70	-25.70	-16.12	0.07	30.34	212.09	
4700.00	0.92	72.83	4699.50	-24.96	-24.96	-14.88	0.45	29.06	210.80	
4800.00	0.81	123.87	4799.49	-25.11	-25.11	-13.53	0.75	28.53	208.32	
4900.00	1.10	147.12	4899.48	-26.32	-26.32	-12.42	0.48	29.10	205.27	
5000.00	1.54	165.12	4999.45	-28.43	-28.43	-11.55	0.60	30.68	202.12	
5100.00	1.82	163.15	5099.41	-31.25	-31.25	-10.75	0.28	33.04	198.98	
5200.00	2.13	174.27	5199.35	-34.62	-34.62	-10.10	0.49	36.06	196.27	
5300.00	2.41	178.09	5299.27	-38.57	-38.57	-9.85	0.32	39.81	194.32	
5400.00	2.36	195.86	5399.18	-42.65	-42.65	-10.34	0.74	43.88	193.63	
5500.00	3.09	203.12	5499.07	-47.11	-47.11	-11.96	0.81	48.60	194.25	
5600.00	3.61	216.16	5598.90	-52.13	-52.13	-14.88	0.92	54.21	195.93	
5700.00	3.87	229.84	5698.69	-56.85	-56.85	-19.31	0.93	60.04	198.76	
5800.00	3.90	227.19	5798.46	-61.34	-61.34	-24.39	0.18	66.01	201.68	
5900.00	3.67	236.91	5898.24	-65.40	-65.40	-29.57	0.68	71.77	204.33	
6000.00	3.42	242.62	5998.05	-68.52	-68.52	-34.90	0.44	76.89	206.99	
6100.00	3.62	238.69	6097.86	-71.53	-71.53	-40.24	0.31	82.07	209.36	
6200.00	3.93	250.58	6197.65	-74.31	-74.31	-46.17	0.84	87.48	211.85	
6250.00	3.99	249.55	6247.53	-75.48	-75.48	-49.41	0.18	90.22	213.21	