

DATE IN 10/28/07	SUSPENSE	ENGINEER Brooks	LOGGED IN 10/26/07	TYPE NSL	APP NO. PKUR0729951610
------------------	----------	-----------------	--------------------	----------	------------------------

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 Company LP
Surrey B #2M

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]

2007 OCT 25 PM 3 04

RECEIVED

[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

Signature

Regulatory Specialist

Title

10/22/07

Date

clugspl@conocophillips.com

e-mail Address

BURLINGTON RESOURCES

San Juan Division

Sent Overnight UPS

October 22, 2007

New Mexico Oil Conservation Division
NSL Examiner
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

Re: Sunray B #2M
Surface - Unit E, 1550' FNL & 225' FWL,
BH - 621' FNL & 1300' FWL
Section 1, T30N, R10W, San Juan Co, NM
API - 30-045-33937

Dear Sirs:

This is a request for administrative approval for a non-standard gas well drilled and completed in the Blanco Mesaverde and Basin Dakota pools.

Burlington Resources drilled and completed the subject well as a Mesaverde / Dakota commingle well. Production from both the Blanco Mesaverde and Basin Dakota are included in the 256.510 acres gas spacing unit comprised of the west half of Section 1. This well is considered non-standard for the Dakota as per Order 10987-B (2) dated 1/29/02 and for the Mesaverde as per Order R-10987-A (1) dated 12/2/02.

The Sunray B #2M surface location was staked non-standard due to the area within the legal spacing window for MV and DK non-unit wells was encompassed by steep terrain. There were also arch issues with the first and subsequent voided well pads and the current surface location didn't have arch issues. BR policy is to directionally drill if economics allow so that we can avoid applying for non-standard location approvals. The intended bottomhole location was 660' FNL & 1345' FWL. The bottomhole surveys were calculated after drilling the well and consequently we missed our bottomhole target by approximately 39 feet. It was determined that the bottomhole location was 621' FNL & 1300' FWL. We have since changed our drilling policy to use 710' as our target BH location instead of the 660' target to avoid this situation in the future.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

- BLM's approved APD cover page & C102 showing the targeted orthodox bottomhole location
- As drilled C102 plat
- Offset operations / owners plat
- 9 Section Plat
- Topographic and aerial maps of Section 1
- Scientific Drilling's Directional Survey

Sincerely,

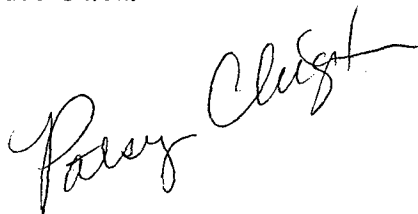


Patsy Clugston
Regulatory Specialist

Re: Sunray B #2M
Surface - 1550' FWL & 225' FWL,
Bottomhole - 6621' FNL & 1300' FWL,
Section 1, T30N, R10W, San Juan County NM
API #30-045-33937

Burlington Resources Oil & Gas, LP is the offset operator for the Mesaverde formation and currently there is not a Dakota well in the offset Section (Section 36, T31N, R10W) that this well is encroaching upon. BP America Production is the only WIO in the offset section for the MV and DK formations so they have been notified. 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 location of the above well.

BP America Production Company
Attn: Karen Clay - San Juan BU
West Lake 1 Rm 19 179
501 Westlake Park Blvd.
Houston, TX 77079

A handwritten signature in black ink, appearing to read "Karen Clay", with a long, sweeping horizontal line extending to the right.



San Juan Business Unit
PO Box 4289
Farmington NM 87409-4289
(505) 326-9700

Scanned E-Mail attachment to:
rodgermd@bp.com

October 24, 2007

BP America Production Company
West Lake 1 Room 19 179
501 Westlake Park Blvd.
Houston, TX 77079

Re: Waiver for NSL on the Sunray B #2M
Surface - 1550' FWL & 225' FWL,
Bottomhole - 621' FNL & 1300' FWL,
Section 1, T30N, R10W, San Juan County NM
API #30-045-33937

Dear Michael:

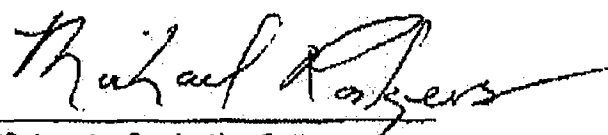
Attached you will find an application to NMOCD for a non-standard location or exception to the 660' setback as it is sometimes called, for the Sunray B #2M well for the MV & DK intervals. Burlington Resources is requesting a waiver from your company so we can produce the well. The application explains in detail why we are requesting the exception and would hope that you will consent to our request.

If you have questions please feel free to call me at 505-326-9760 otherwise if you have not objection, please sign the attached waiver and return it to me by fax at 505-599-4062. Thank you so much for your time.

Sincerely,

Linda Dean

BP America Production Company gives our consent for Burlington Resources Oil & Gas LP to produce the Sunray B #2M well, API -30-045-33937 located at 1550' FWL & 225' FWL, with the bottomhole location at 621' FNL & 1300' FWL, Section 1, T30N, R10W, knowing that the proposed bottomhole was missed during drilling by 39' making the well's spacing non-standard by NMOCD Order R-109878-A (1) for Mesaverde and Order R-10987 B (2) for Dakota.


BP America Production Company
2 and on em

10/25/07
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2006 SEP 14 PM 4 34 RECEIVED 070 FARMINGTON NM	5. Lease Number SF-078208 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name Sunray B
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number # 2M
4. Location of Well Surf Unit E (SWNW), 1550' FNL & 225' FWL, Bott Unit C (NENW), 660' FNL, 1345' FWL Latitude 36° 50.6239'N, Longitude 107° 50.4953'W Latitude 36° 50.7774'N, Longitude 107° 50.2743'W		10. Field, Pool, Wildcat Blanco MesaVerde/Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 1, T30N, R10W API # 30-045-3 3937
14. Distance in Miles from Nearest Town 11.7 miles to Navajo Dam Post Office	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 255'		
16. Acres in Lease	17. Acres Assigned to Well 256.510 Acres MV/DK W/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 139'		
19. Proposed Depth 7970'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6635' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Amanda S. Smith</u> Regulatory Analyst	<u>9-13-06</u> Date	

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.

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

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

OPERATOR

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

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

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

DISTRICT IV
1220 South 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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

2006 SEP 14 PM 4 34

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/ Basin Dakota
⁴ Property Code 7563	⁵ Property Name SUNRAY B	⁶ Well Number 2M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6635

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
E	1	30-N	10-W	9	1550	NORTH	255	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
C	1	30-N	10-W	7	660	NORTH	1345	WEST	SAN JUAN

¹² Dedicated Acres E2 320 MV/DK	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

16

FD 3 1/4" BC
1967 BLM
1345'

LOT 8
31.01

255'

LOT 9
32.11

N 00°52'23" W
25889.07' (M)

FD 2 1/2" BC
1967 BLM

LOT 16
32.08

LOT 15
32.49

LOT 17
32.40

LOT 18
32.81

LOT 19
33.95

LOT 20
34.40

LOT 10
32.40

LOT 11
36.92

LOT 12
36.66

LOT 13
35.52

LOT 14
35.07

LOT 6
38.85

LOT 5
38.47

S 87°38'41" W
2005.51' (M)

FD 3 1/4" BC
1967 BLM

B.H.L.

SURFACE LOCATION
LAT: 36.84374° N. (NAD 83)
LONG: 107.84221° W. (NAD 83)
LAT: 36°50.6239' N. (NAD 27)
LONG: 107°50.4953' W. (NAD 27)

LOT 7
31.21

LOT 1
36.85

USA SF-078208

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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amanda Sanchez 6-13-06
Signature Date
Amanda Sanchez
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.

MARCH 16, 2006
Date of Survey
Signature and Seal of Registered Surveyor
JOHN VUKONICH
NEW MEXICO
14831
REGISTERED PROFESSIONAL SURVEYOR
Certificate Number

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

DISTRICT II
1401 Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Artesia, N.M. 88210

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

State of New Mexico
Energy, Minerals & Natural Resources Dept.

OIL CONSERVATION DIVISION

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

"As drilled"

Form C

Revised October 12, 2

Submit to Appropriate District Of

State Lease - 4 Cop

Fee Lease - 3 Cop

AMENDED REPO

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-	Pool Code 72319/71599	Pool Name Blanco Mesaverde/ Basin Dakota
Property Code 7563	Property Name SUNRAY B	Well Number 2M
OCRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6635

10 Surface Location

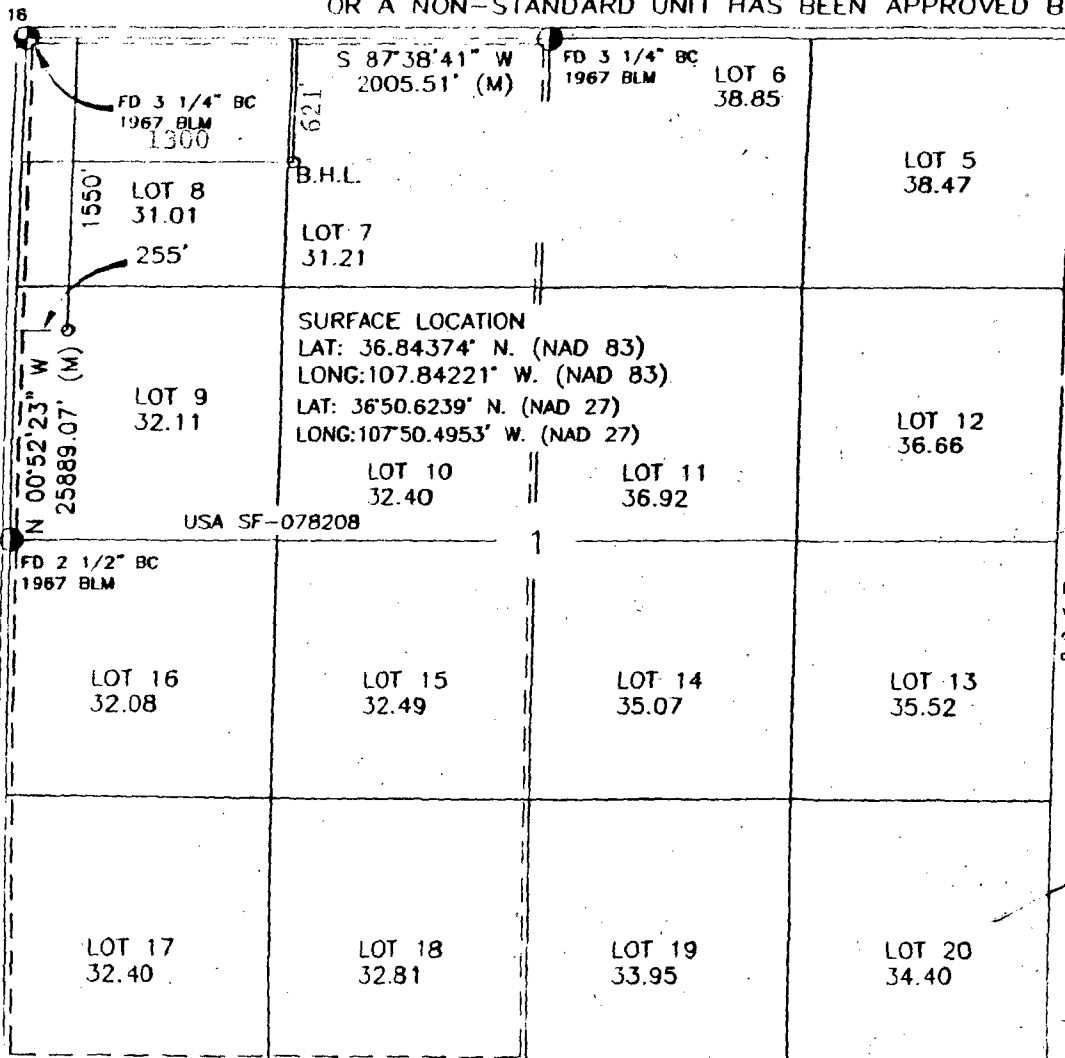
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	1	30-N	10-W	9	1550	NORTH	255	WEST	SAN JUAN

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
C	1	30-N	10-W	7	621	NORTH	1300	WEST	SAN JUAN

Dedicated Acres E2-320 MV/DK MY	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



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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Tracey N. Moore 10/10/07
Signature Date
Tracey N. Moore
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.

MARCH 16, 2006

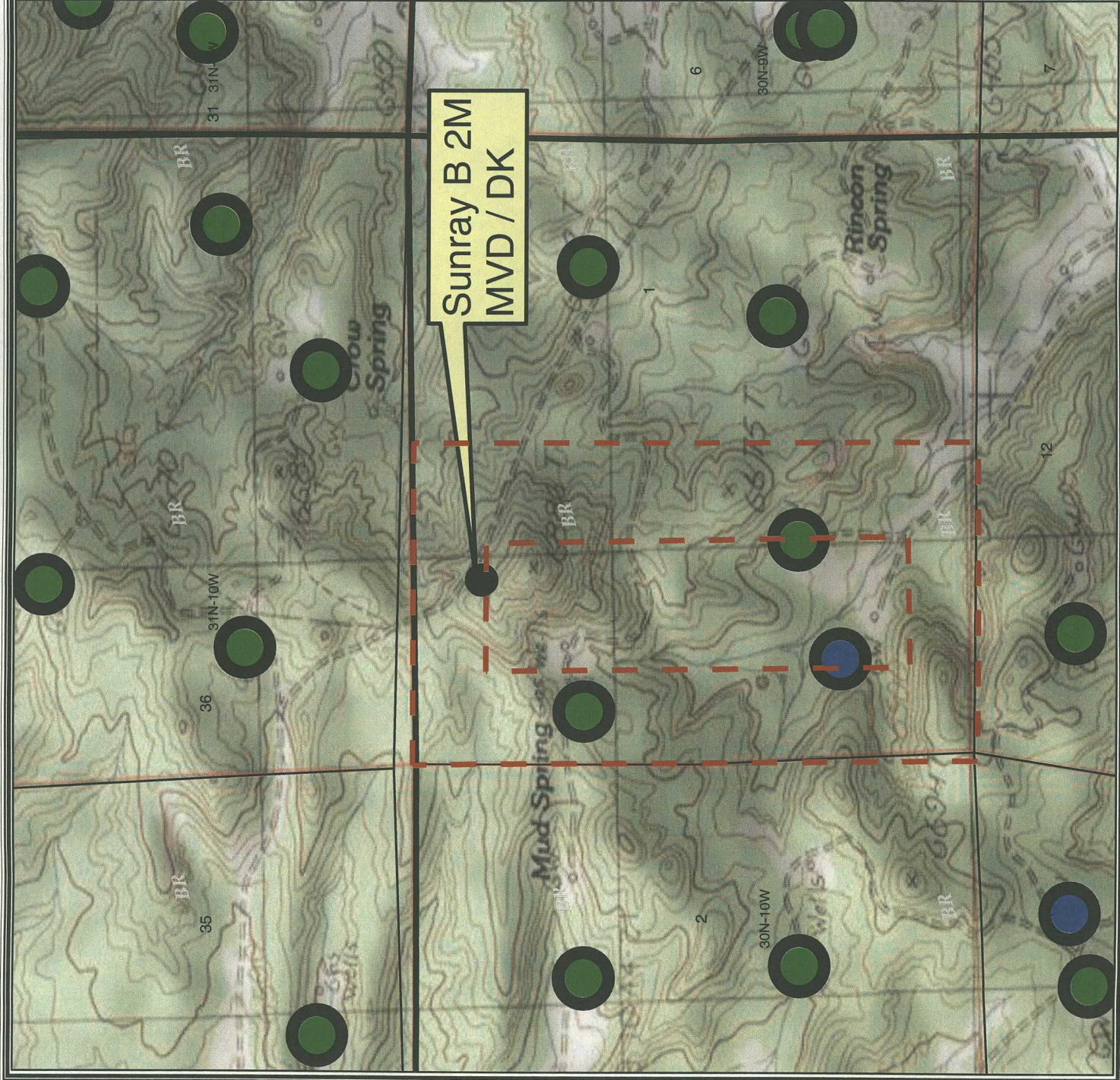
Date of Survey

Signature *John Vukobrat* Registered Professional Surveyor



Certificate Number

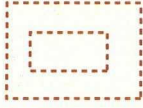
The above is true and correct to the best of my knowledge



Legend

- Mesaverde Wells
- Dakota Wells

660' Setback



ConocoPhillips



© Unpublished Work, Burlington Resources, Inc.



1:15,472 - 1" equals 1,289'
GCS North American 1927



ConocoPhillips Company

San Juan

Sunray B 2M

Sec. 1, T30N, R10W

621' FNL, 1300' FWL

Topography Map

Prepared By: davist

Date: 2/8/2007

File Number:

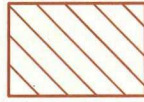
Revised Date: 2/8/2007

File Name:

\\na\klausen\projects\San Juan\NSL_Template\San Juan NSL_Template.mxd

Legend

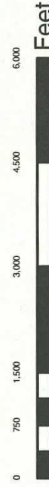
- Mesaverde Wells
- Dakota Wells



Offset Operator:
Burlington Resources Oil & Gas Company LP
Working Interest Owner:
See attached List



© Unpublished Work, Burlington Resources, Inc.



1:32,031 - 1" equals 2,669'
GCS North American 1927



ConocoPhillips Company
San Juan

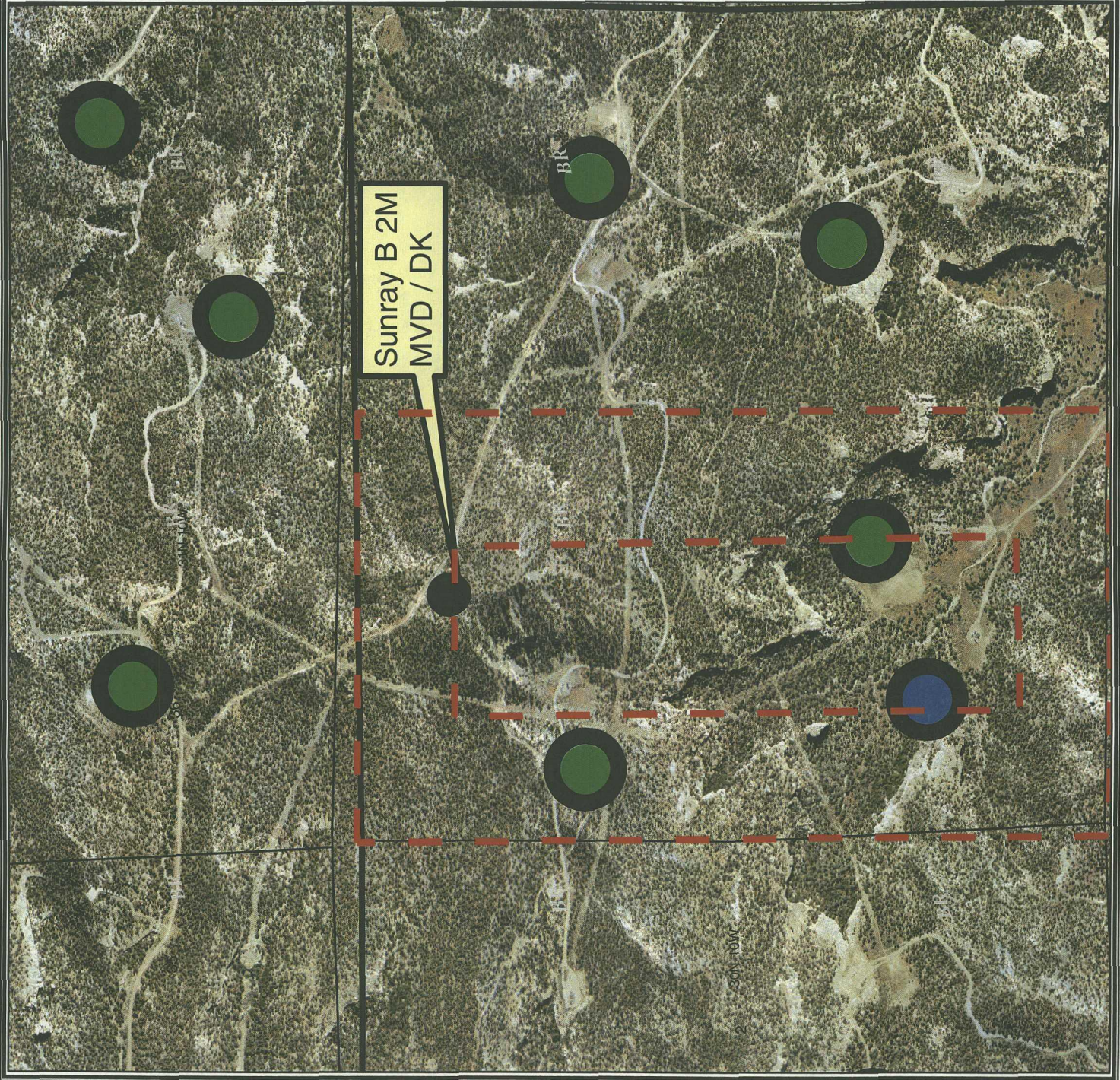
Sunray B 2M

Sec. 1, T30N, R10W

Offset Operator

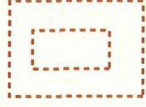
Prepared By: *davisr* Date: *2/8/2007*
File Number: *2/8/2007*
File Name: *c:\platt\cavett\Projects\San_Juan_NSL_Template\San_Juan_NSL_Template.mxd*





Legend

- Mesaverde Wells
- Dakota Wells



660' Setback

ConocoPhillips



© Unpublished Work, Burlington Resources, Inc.



1:11,604 - 1" equals 967'
GCS North American 1927

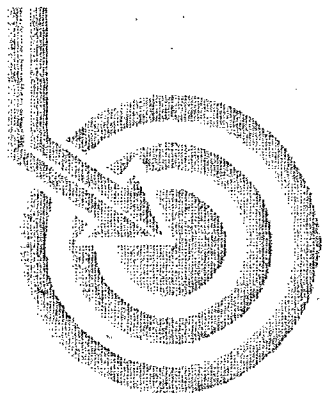


ConocoPhillips Company

San Juan

Sunray B 2M
Sec. 1, T30N, R10W
621' FNL, 1300' FWL
Aerial Map

Prepared By:	davist	Date:	2/8/2007
File Number:		Revised Date:	2/8/2007
File Name:	c:\data\csun\Projects\San Juan\NSL_Template\San Juan\NSL_Template.mxd		



Scientific Drilling

CONOCOPHILLIPS

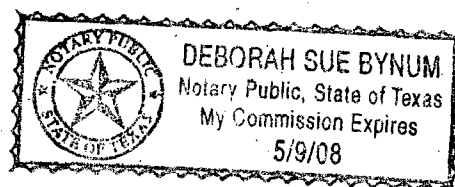
Field: Sunray
Site: San Juan County, NM
Well: Sunray B #2M
Wellpath: DH - Job #33D0507407
Survey: 05/18/07-06/05/07

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

B. Hart.....Company Representative

Notorized this date 11th of July, 2007.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS Date: 06/26/2007 Time: 21:50:45 Page: 1
Field: Sunray Co-ordinate(NE) Reference: Site: San Juan County, NM, Grid North
Site: San Juan County, NM Vertical (TVD) Reference: SITE 0.0
Well: Sunray B #2M Section (VS) Reference: Well (0.00N,0.00E,49.13Azi)
Wellpath: DH - Job #33D0507407 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 05/18/07-06/05/07 Start Date: 05/18/2007
E-field 398'-4844' w/projection @ 4890'
Company: Scientific Drilling International Engineer: Calvert/Gillespie/Heikkinen/OI
Tool: E-field;E-field MWD Tied-to: User Defined

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
388.00	1.57	108.54	387.95	2.71	-1.69	5.04	0.00	5.32	108.54
388.00	1.57	108.54	387.95	2.71	-1.69	5.04	0.00	5.32	108.54
398.00	1.67	103.50	397.95	2.86	-1.77	5.31	1.74	5.60	108.41
460.00	2.77	58.88	459.90	4.86	-1.20	7.47	3.18	7.57	99.15
521.00	5.20	52.25	520.75	9.08	1.25	10.92	4.05	10.99	83.47
582.00	7.71	49.53	581.36	15.93	5.60	16.22	4.14	17.16	70.96
644.00	9.68	49.17	642.64	25.30	11.71	23.33	3.18	26.10	63.35
705.00	10.74	47.01	702.68	36.11	18.94	31.37	1.85	36.64	58.88
765.00	11.74	45.08	761.53	47.79	27.06	39.78	1.78	48.11	55.78
828.00	13.10	46.80	823.05	61.31	36.47	49.52	2.24	61.50	53.63
891.00	14.34	46.78	884.25	76.24	46.70	60.41	1.97	76.36	52.29
955.00	15.60	46.74	946.08	92.76	58.03	72.46	1.97	92.83	51.31
1015.00	16.60	45.95	1003.72	109.38	69.52	84.49	1.71	109.41	50.55
1079.00	17.85	45.96	1064.85	128.30	82.69	98.11	1.95	128.31	49.88
1143.00	19.17	45.22	1125.54	148.58	96.91	112.62	2.09	148.58	49.29
1205.00	20.54	47.46	1183.85	169.61	111.44	127.86	2.53	169.61	48.93
1267.00	22.06	49.36	1241.62	192.13	126.38	144.71	2.69	192.13	48.87
1328.00	23.04	50.13	1297.95	215.52	141.49	162.57	1.68	215.52	48.97
1390.00	23.44	50.33	1354.92	239.98	157.14	181.37	0.66	239.98	49.09
1454.00	23.98	51.06	1413.52	265.70	173.44	201.29	0.96	265.70	49.25
1515.00	24.29	49.94	1469.19	290.63	189.30	220.53	0.91	290.64	49.36
1577.00	25.01	50.61	1525.54	316.49	205.83	240.42	1.25	316.49	49.43
1641.00	24.27	50.20	1583.71	343.16	222.83	260.98	1.19	343.17	49.51
1703.00	22.59	49.60	1640.60	367.81	238.71	279.84	2.74	367.82	49.54
1767.00	22.78	49.65	1699.65	392.49	254.70	298.64	0.30	392.50	49.54
1830.00	21.72	49.52	1757.95	416.35	270.16	316.81	1.68	416.36	49.54
1894.00	21.97	49.36	1817.36	440.16	285.65	334.90	0.40	440.17	49.54
1957.00	22.29	48.60	1875.72	463.89	301.22	352.80	0.68	463.90	49.51
2020.00	22.49	48.48	1933.97	487.89	317.11	370.79	0.33	487.90	49.46
2082.00	22.48	48.19	1991.25	511.60	332.88	388.50	0.18	511.61	49.41
2144.00	22.93	48.57	2048.45	535.53	348.77	406.39	0.76	535.53	49.36
2207.00	23.64	48.68	2106.32	560.43	365.23	425.08	1.13	560.43	49.33
2270.00	23.22	49.30	2164.12	585.48	381.67	443.98	0.77	585.48	49.32
2334.00	23.25	50.18	2222.93	610.73	397.99	463.25	0.54	610.73	49.33
2396.00	22.92	50.08	2279.97	635.03	413.57	481.91	0.54	635.04	49.36
2458.00	22.73	49.75	2337.11	659.08	429.06	500.31	0.37	659.09	49.38
2520.00	23.27	48.98	2394.18	683.31	444.83	518.69	1.00	683.31	49.38
2582.00	22.64	48.29	2451.27	707.49	460.81	536.84	1.10	707.49	49.36
2645.00	21.73	47.96	2509.61	731.27	476.69	554.55	1.46	731.27	49.32
2709.00	20.75	47.88	2569.26	754.45	492.23	571.76	1.53	754.45	49.27
2771.00	20.65	47.87	2627.26	776.36	506.93	588.02	0.16	776.36	49.24
2834.00	20.88	47.64	2686.17	798.69	521.94	604.55	0.39	798.69	49.19
2898.00	21.12	47.69	2745.92	821.62	537.39	621.50	0.38	821.62	49.15
2962.00	21.34	47.54	2805.57	844.79	553.01	638.62	0.35	844.79	49.11
3025.00	21.03	47.55	2864.31	867.54	568.38	655.42	0.49	867.54	49.07
3089.00	21.64	47.37	2923.93	890.82	584.12	672.58	0.96	890.82	49.03
3152.00	23.14	48.70	2982.18	914.81	600.16	690.42	2.51	914.81	49.00
3209.00	22.98	48.64	3034.62	937.13	614.91	707.19	0.28	937.14	48.99
3270.00	23.45	49.39	3090.68	961.18	630.68	725.34	0.91	961.18	48.99



Scientific
Drilling

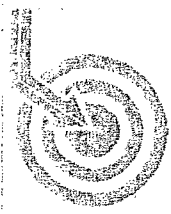
Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS
Field: Sunray
Site: San Juan County, NM
Well: Sunray B #2M
Wellpath: DH - Job #33D0507407

Date: 06/26/2007 Time: 21:50:45 Page: 2
Co-ordinate(NE) Reference: Site: San Juan County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,49.13Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

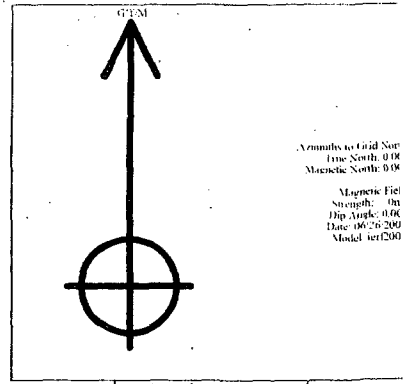
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3333.00	23.37	49.69	3148.50	986.21	646.92	744.39	0.23	986.21	49.01
3397.00	22.23	50.98	3207.50	1011.00	662.75	763.47	1.94	1011.00	49.04
3460.00	22.83	50.43	3265.69	1035.13	678.04	782.15	1.01	1035.13	49.08
3523.00	23.03	50.91	3323.71	1059.67	693.60	801.14	0.43	1059.67	49.12
3586.00	22.61	52.08	3381.78	1084.08	708.81	820.26	0.98	1084.08	49.17
3649.00	22.30	52.07	3440.00	1108.11	723.60	839.24	0.49	1108.11	49.23
3712.00	21.97	51.82	3498.36	1131.82	738.23	857.93	0.54	1131.83	49.29
3774.00	21.11	51.98	3556.03	1154.56	752.28	875.84	1.39	1154.57	49.34
3838.00	19.73	49.71	3616.01	1176.87	766.36	893.16	2.49	1176.88	49.37
3901.00	18.78	48.26	3675.48	1197.65	779.99	908.84	1.69	1197.66	49.36
3963.00	19.26	47.74	3734.10	1217.85	793.51	923.86	0.82	1217.86	49.34
4024.00	20.75	49.46	3791.42	1238.71	807.30	939.52	2.63	1238.72	49.33
4087.00	20.43	49.59	3850.39	1260.87	821.68	956.37	0.51	1260.88	49.33
4150.00	19.95	50.54	3909.52	1282.61	835.64	973.04	0.92	1282.62	49.34
4212.00	18.78	51.96	3968.01	1303.15	848.52	989.07	2.03	1303.16	49.37
4276.00	17.34	50.75	4028.86	1322.97	860.90	1004.57	2.32	1322.99	49.40
4339.00	16.04	46.49	4089.20	1341.05	872.83	1018.15	2.83	1341.07	49.39
4401.00	14.07	46.09	4149.07	1357.14	883.96	1029.79	3.18	1357.15	49.36
4464.00	12.32	46.22	4210.41	1371.50	893.92	1040.16	2.78	1371.51	49.32
4527.00	10.67	45.22	4272.14	1384.03	902.68	1049.16	2.64	1384.04	49.29
4590.00	8.60	44.28	4334.25	1394.54	910.16	1056.59	3.30	1394.55	49.26
4653.00	6.46	46.04	4396.70	1402.78	915.99	1062.43	3.42	1402.78	49.23
4715.00	5.68	43.73	4458.35	1409.32	920.63	1067.06	1.32	1409.32	49.21
4777.00	4.19	43.11	4520.12	1414.62	924.50	1070.73	2.40	1414.62	49.19
4838.00	2.80	49.37	4581.01	1418.33	927.10	1073.38	2.36	1418.33	49.18
4844.00	2.69	47.83	4587.00	1418.62	927.29	1073.60	2.21	1418.62	49.18
4890.00	1.85	36.02	4632.97	1420.42	928.61	1074.83	2.08	1420.42	49.17

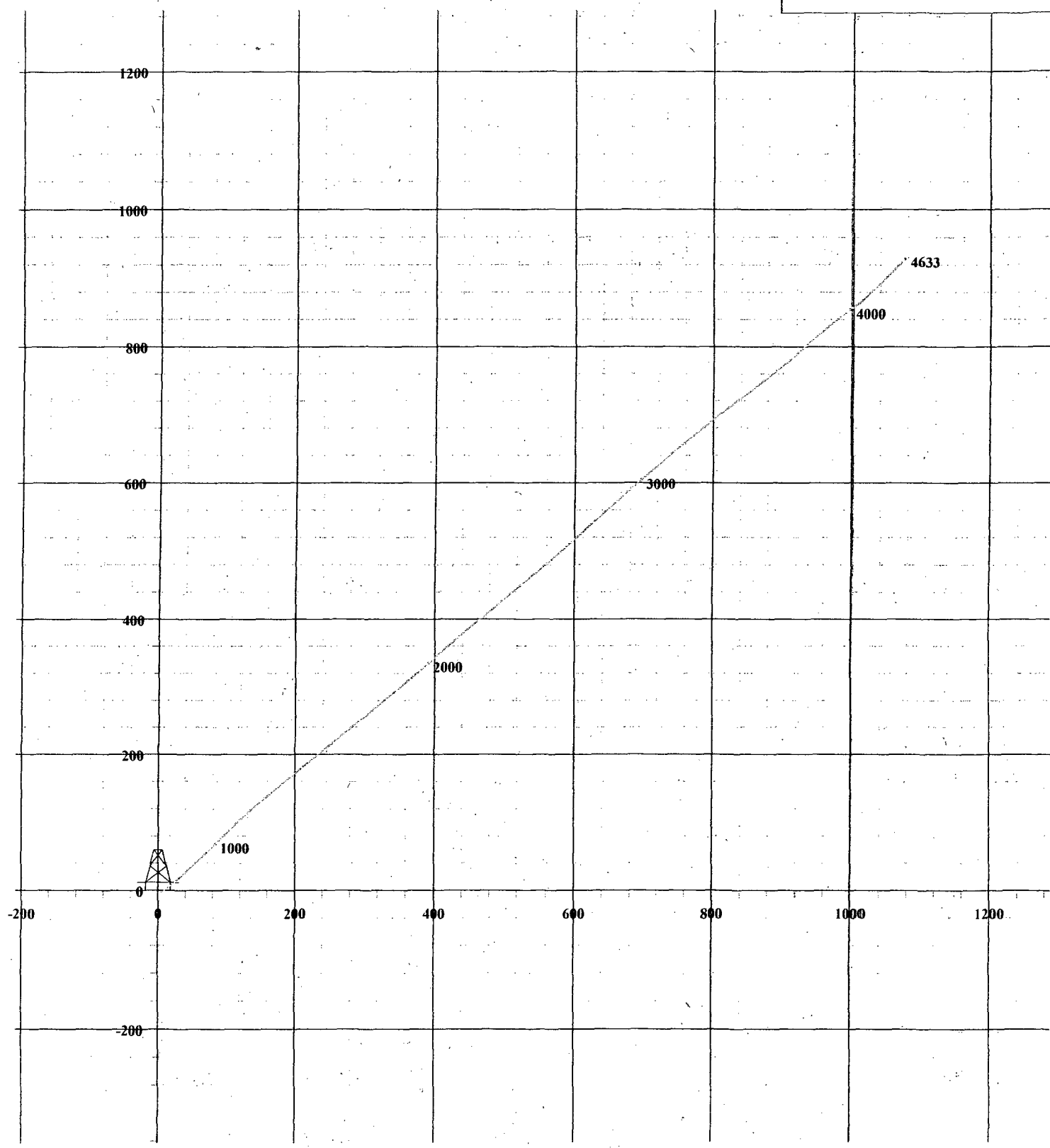


Scientific
Drilling

Field: Sunray
Site: San Juan County, NM
Well: Sunray B #2M
Wellpath: DH - Job #33D0507407
Survey: 05/18/07-06/05/07



South(-)/North(+) [200ft/in]



West(-)/East(+) [200ft/in]