

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED

MAY 04 2009

Sundry Notices and Reports on Wells

Bureau of Land Management
Farmington Field Office

- | | |
|---|---|
| <p>1. Type of Well
GAS</p> <p>2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP</p> <p>3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M
Unit K (NESW) 2520' FSL & 1595' FWL, Sec. 28, T26N R6W NMPM
Bottom: Unit N (SESW) 1100' FSL & 1805' Sec. 28 T26N, R6W NMPM</p> | <p>5. Lease Number
SF - 079266</p> <p>6. If Indian, All. or
Tribe Name</p> <p>7. Unit Agreement Name
RCVD MAY 13 '09
OIL CONS. DIV.
DIST. 3</p> <p>8. Well Name & Number
Vaughn 30N</p> <p>9. API Well No.
30-039-30533</p> <p>10. Field and Pool
Basin Fruitland Coal</p> <p>11. County and State
Rio Arriba Co., NM</p> |
|---|---|

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

Type of Submission	Type of Action		
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans	☒ Other - Location Moved
☐ Subsequent Report	☐ Recompletion	☐ New Construction	
☐ Final Abandonment	☐ Plugging	☐ Non-Routine Fracturing	
	☐ Casing Repair	☐ Water Shut off	
	☐ Altering Casing	☐ Conversion to Injection	

13. Describe Proposed or Completed Operations

Burlington Resources wishes to be granted permission to move the subject well from the original APD approved location of Unit L (NWSW), 1830' FSL & 840' FWL to Surf: Unit K (NESW), 2520' FSL & 1595' FWL. Bottom: Unit N (SESW), 900' FSL & 1805' FWL to Unit N (SESW), 1100' FSL & 1805' FWL. Due to existing arch sites. Attached is the New Plat, Well Pad, Cut/Fill diagram, Standard planning report and Project Proposal.

14. I hereby certify that the foregoing is true and correct.Signed Jamie Goodwin Jamie Goodwin Title Regulatory Technician Date 10/20/2008

(This space for Federal or State Office use)

APPROVED BY Jm Hank Title ENVIRONMENTAL PROTECTION TEAM LEAD Date 5/11/09

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.

Hold C104
for Directional Survey
and "As Drilled" plat**NMOCD**

70

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

DISTRICT II
1301 West 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

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 30-039-		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/ BLANCO MESAVERDE	
*Property Code 7623		*Property Name VAUGHN			*Well Number 30N
*OGRD No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6427'

10 Surface Location

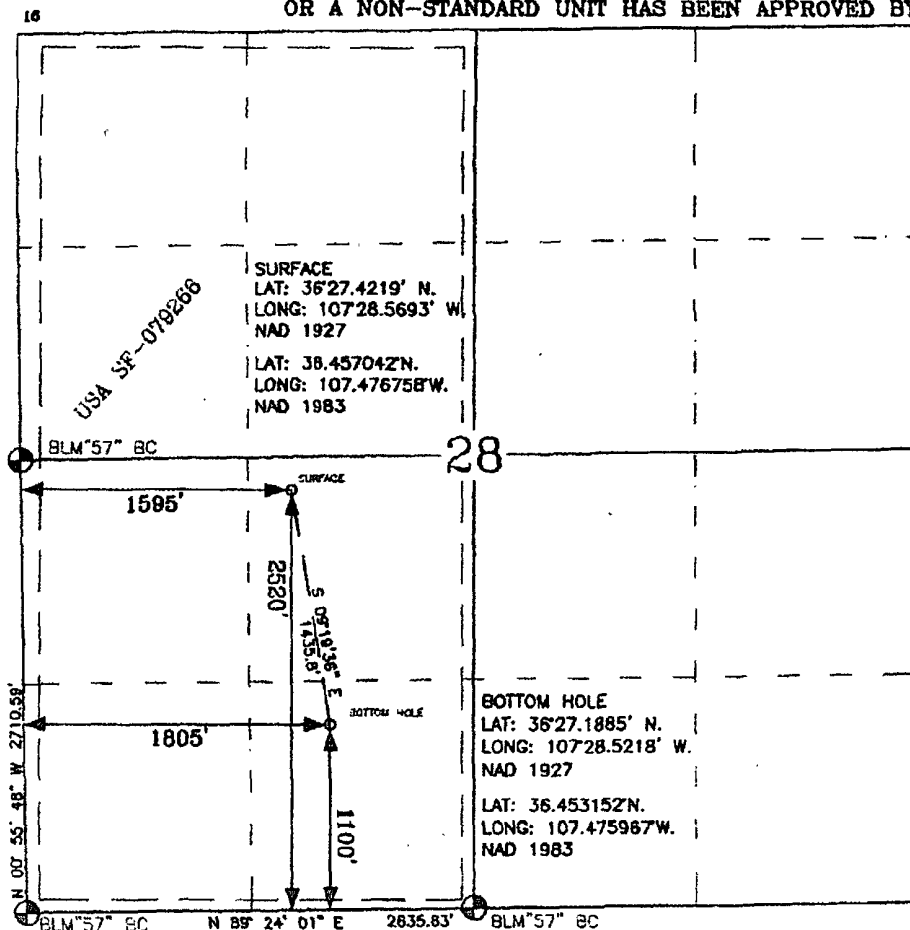
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	28	26-N	6-W		2520'	SOUTH	1595'	WEST	RIO ARRIBA

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
N	28	26-N	6-W		1100'	SOUTH	1805'	WEST	RIO ARRIBA

*Dedicated Acres DK 320 ACRES W/2 MV 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



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.

James Gardenhire 9/24/08
Signature
James Gardenhire
Printed Name

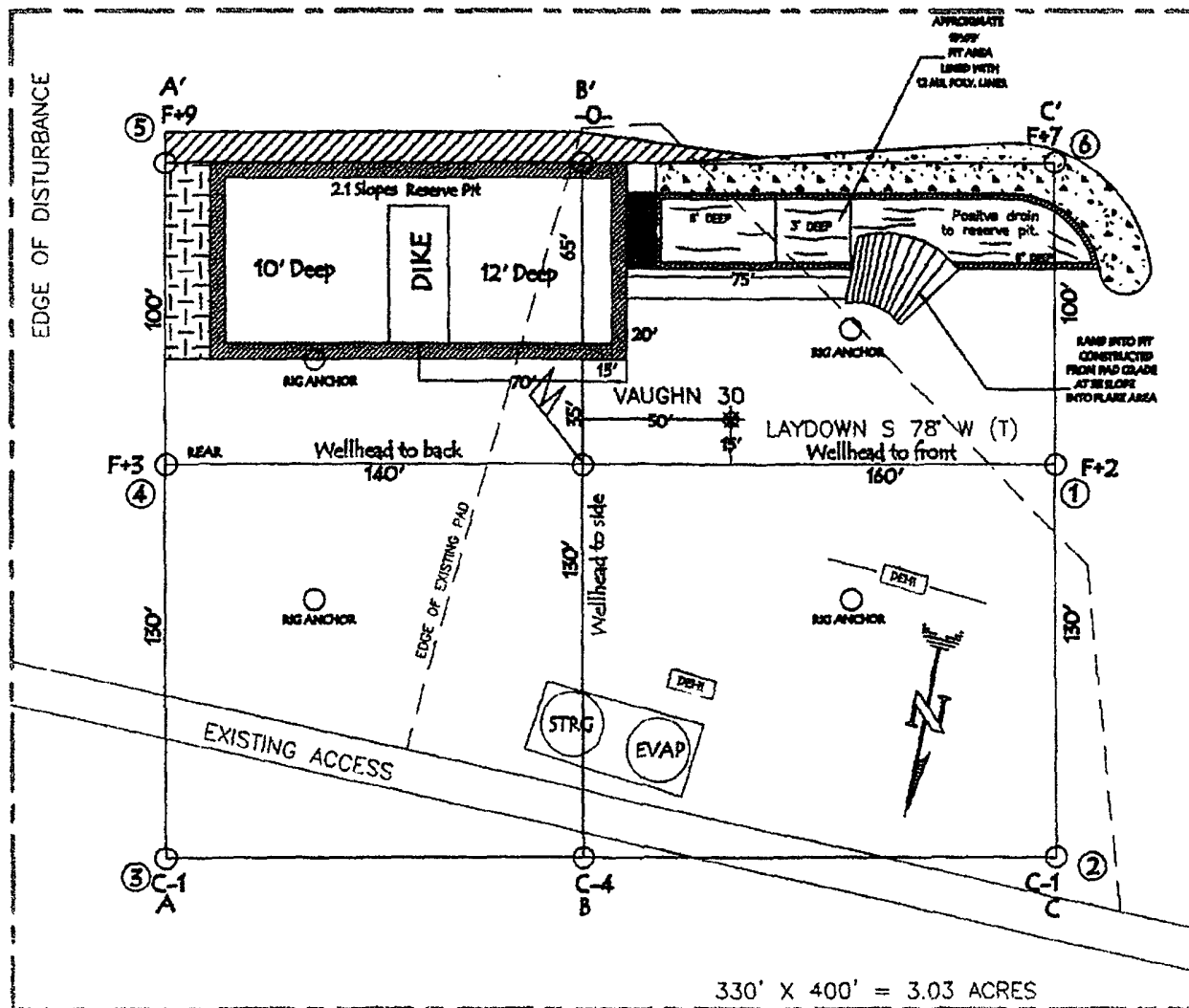
18 SURVEYOR CERTIFICATION

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.

9-10-08
Date of Survey
Signature
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

BURLINGTON RESOURCES OIL & GAS COMPANY LP
VAUGHN 30N, 2520' FSL & 1595' FWL
SECTION 28, T-26- N, R-6-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6427', DATE: AUGUST 6, 2008

LATITUDE: 36.456890° N
 LONGITUDE: 107.476479° W
 NAD 83 CENTER OF PIT



LATITUDE: 36° 27.4219' N
 LONGITUDE: 107° 28.5693' W
 NAD 27

LATITUDE: 36° 27'25.35" N
 LONGITUDE: 107° 28'36.33" W
 NAD 83

NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.
 RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

BURLINGTON RESOURCES OIL & GAS COMPANY LP

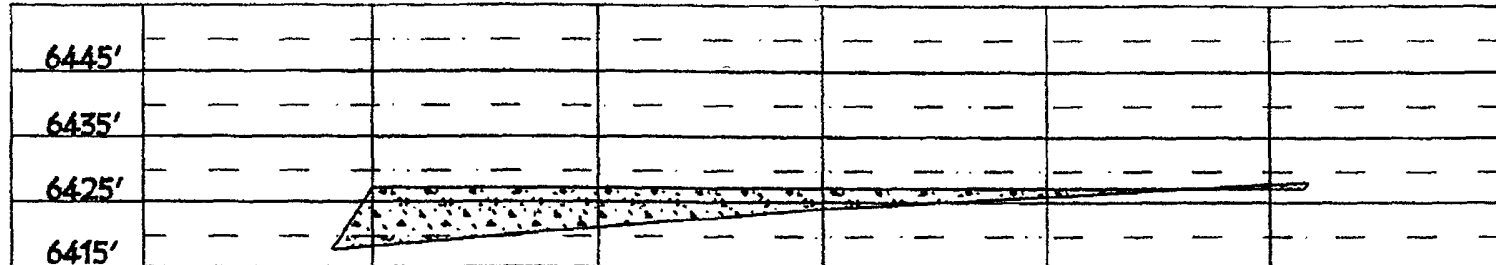
VAUGHN 30N, 2520' FSL & 1595' FWL

SECTION 28, T-26-N, R-6-W, NMPM, RIO ARriba COUNTY, NM

GROUND ELEVATION: 6427', DATE: AUGUST 6, 2008

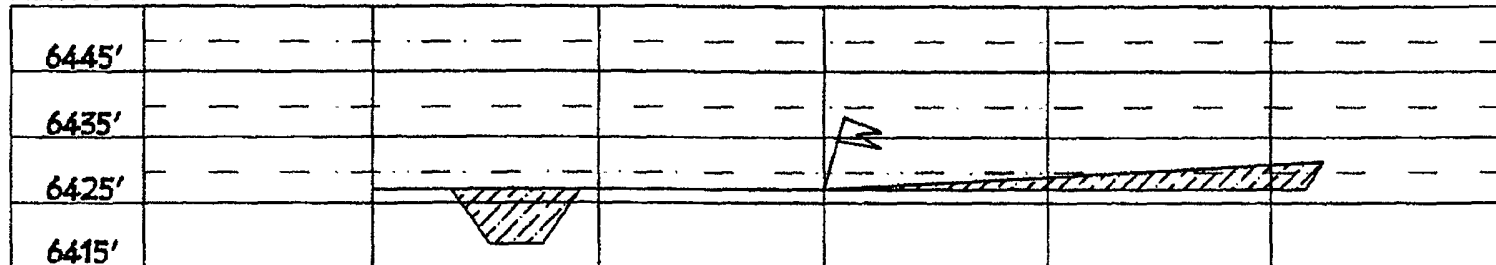
ELEV. A'-A

CL



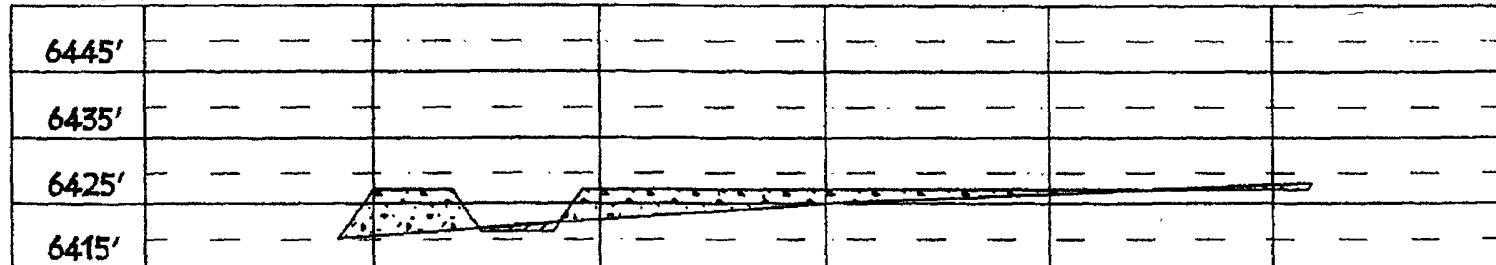
ELEV. B'-B

CL



ELEV. C'-C

CL



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

Directions from the Intersection of
Hwy 550 & Hwy 64 in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP

VAUGHN 30N

2520' FSL & 1595' FWL,

Section 28, T26N, R6W, N.M.P.M., Rio Arriba County,
New Mexico

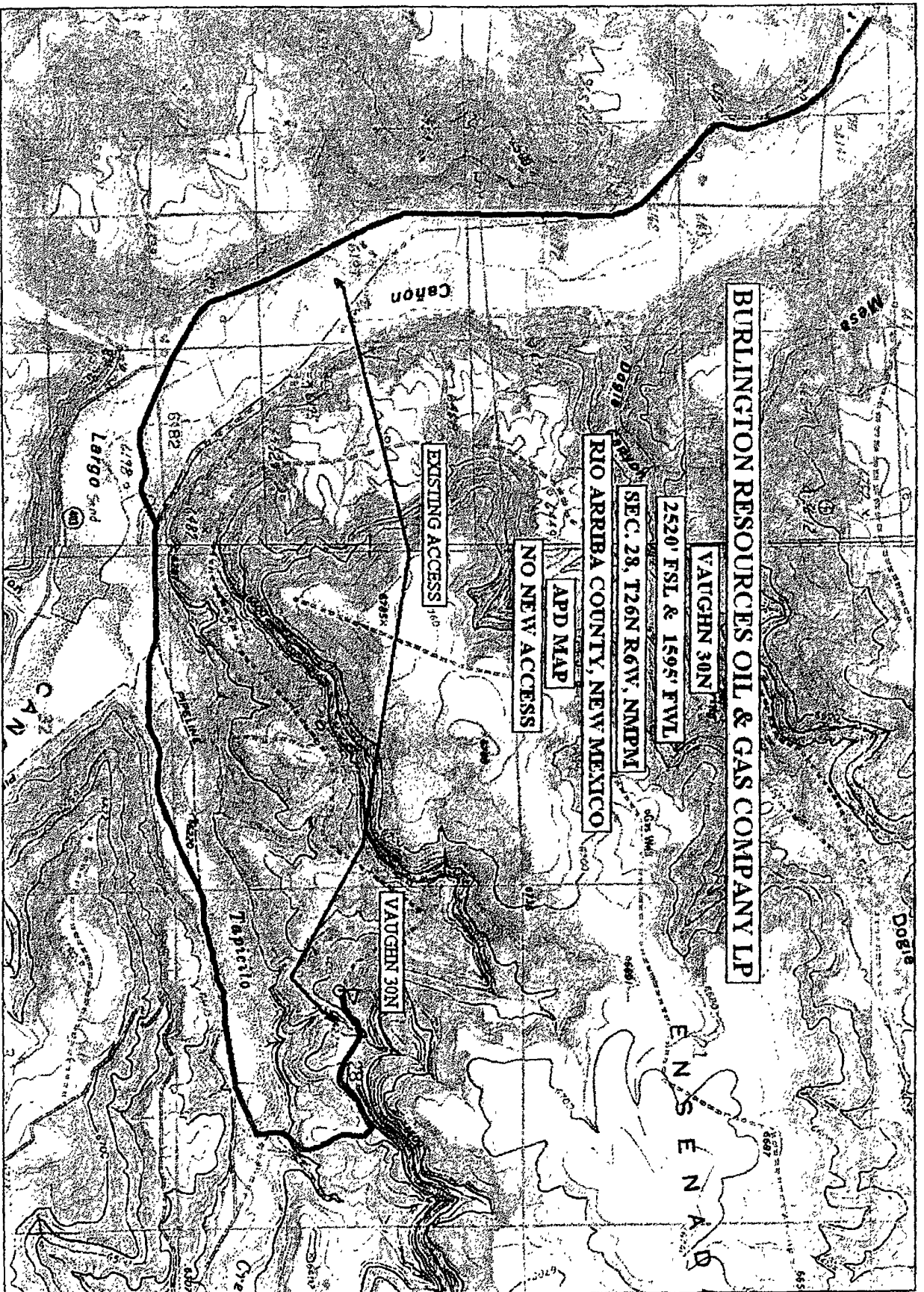
Latitude: 36° 27' 25.35" N

Longitude: 107° 28' 36.33" W

NAD. 83

From the Intersection of Hwy 550 & Hwy 64 in
Bloomfield, NM

Take Hwy 550 (south) for 1.0 miles to CR 4900
turn left (easterly) on CR 4900 15.0 miles to five mile bridge,
stay right @ intersection (southeasterly) for 3.2 miles,
across 10 mile bridge continue (southeasterly) 18.2 miles,
to Old Largo Canyon School, turn right (southeasterly) 2.5,
along Canyon Largo Wash 2.5 miles,
turn left (easterly) across Largo Wash 2.3 miles,
turn left (northerly) across Tapico Wash
for 0.5 miles, continue (westerly) for 0.5 miles,
to newly staked location twinned on existing well pad,
VAUGHN 30.



0 1000 FEET 0 500 1000 METERS
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ConocoPhillips SJBU

San Juan Basin - New Mexico Wells

Other Named Wells

Vaughn #30N

Principal

Plan: Planned

Standard Planning Report

05 May, 2008

ConocoPhillips or its affiliates Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Vaughn #30N
Wellbore: Principal
Design: Planned

Local Co-ordinate Reference: Well Vaughn #30N
TVD Reference: RKB @ 6422.0ft (Generic Rig)
MD Reference: RKB @ 6422.0ft (Generic Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project: San Juan Basin - New Mexico Wells

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico West 3003

System Datum: Mean Sea Level

Site: Other Named Wells

Site Position: Northing: 655,570.11 m Latitude: 36° 54' 38.468 N
From: Lat/Long Easting: 170,348.49 m Longitude: 107° 37' 54.906 W
Position Uncertainty: 0.0 ft Slot Radius: in Grid Convergence: 0.12 °

Well: Vaughn #30N

Well Position: +N-S 0.0 ft Northing: 605,060.34 m Latitude: 36° 27' 18.438 N
+E-W 0.0 ft Easting: 184,189.99 m Longitude: 107° 28' 43.272 W
Position Uncertainty: 15.0 ft Wellhead Elevation: ft Ground Level: 6,407.0 ft

Wellbore: Principal

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	5/1/2008	10.17	63.36	50,918

Design: Planned

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.0	0.0	0.0	133.20

Plan Sections:

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,512.9	23.26	133.20	1,481.2	-159.4	169.7	2.00	2.00	0.00	133.20	
3,937.6	23.26	133.20	3,708.8	-814.7	867.7	0.00	0.00	0.00	0.00	
4,712.8	0.00	0.00	4,463.0	-921.0	980.8	3.00	-3.00	0.00	180.00	Vaughn #30N - ICP
7,472.8	0.00	0.00	7,223.0	-921.0	980.8	0.00	0.00	0.00	0.00	Vaughn #30N - PCP

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Vaughn #30N
Wellbore: Principal
Design: Planned

Local Co-ordinate Reference: Well Vaughn #30N
TVD Reference: RKB @ 6422.0ft (Generic Rig)
MD Reference: RKB @ 6422.0ft (Generic Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned 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
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
215.0	0.00	0.00	215.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.00	133.20	400.0	-0.3	0.3	0.4	2.00	2.00	0.00
500.0	3.00	133.20	499.9	-2.7	2.9	3.9	2.00	2.00	0.00
600.0	5.00	133.20	599.7	-7.5	7.9	10.9	2.00	2.00	0.00
700.0	7.00	133.20	699.1	-14.6	15.6	21.4	2.00	2.00	0.00
800.0	9.00	133.20	798.2	-24.1	25.7	35.3	2.00	2.00	0.00
900.0	11.00	133.20	896.6	-36.0	38.4	52.6	2.00	2.00	0.00
1,000.0	13.00	133.20	994.4	-50.3	53.5	73.4	2.00	2.00	0.00
1,100.0	15.00	133.20	1,091.5	-66.8	71.2	97.6	2.00	2.00	0.00
1,200.0	17.00	133.20	1,187.6	-85.7	91.3	125.2	2.00	2.00	0.00
1,300.0	19.00	133.20	1,282.7	-106.8	113.8	156.1	2.00	2.00	0.00
1,400.0	21.00	133.20	1,376.6	-130.2	138.7	190.3	2.00	2.00	0.00
1,500.0	23.00	133.20	1,468.4	-155.9	166.0	227.7	2.00	2.00	0.00
1,512.9	23.26	133.20	1,481.2	-159.4	169.7	232.8	2.00	2.00	0.00
1,600.0	23.26	133.20	1,561.2	-182.9	194.8	267.2	0.00	0.00	0.00
1,700.0	23.26	133.20	1,653.1	-209.9	223.6	306.7	0.00	0.00	0.00
1,800.0	23.26	133.20	1,745.0	-237.0	252.4	346.2	0.00	0.00	0.00
1,900.0	23.26	133.20	1,836.9	-264.0	281.1	385.7	0.00	0.00	0.00
2,000.0	23.26	133.20	1,928.7	-291.0	309.9	425.1	0.00	0.00	0.00
2,021.0	23.26	133.20	1,948.0	-296.7	316.0	433.4	0.00	0.00	0.00
Ojo Alamo									
2,100.0	23.26	133.20	2,020.6	-318.1	338.7	464.6	0.00	0.00	0.00
2,198.4	23.26	133.20	2,111.0	-344.6	367.0	503.5	0.00	0.00	0.00
Kirtland									
2,200.0	23.26	133.20	2,112.5	-345.1	367.5	504.1	0.00	0.00	0.00
2,286.5	23.26	133.20	2,192.0	-368.5	392.4	538.3	0.00	0.00	0.00
Fruitland									
2,300.0	23.26	133.20	2,204.4	-372.1	396.3	543.6	0.00	0.00	0.00
2,400.0	23.26	133.20	2,296.2	-399.1	425.1	583.1	0.00	0.00	0.00
2,500.0	23.26	133.20	2,388.1	-426.2	453.9	622.6	0.00	0.00	0.00
2,600.0	23.26	133.20	2,480.0	-453.2	482.6	662.1	0.00	0.00	0.00
2,700.0	23.26	133.20	2,571.9	-480.2	511.4	701.6	0.00	0.00	0.00
2,768.7	23.26	133.20	2,635.0	-498.8	531.2	728.7	0.00	0.00	0.00
Pictured Cliffs									
2,800.0	23.26	133.20	2,663.7	-507.3	540.2	741.0	0.00	0.00	0.00
2,852.5	23.26	133.20	2,712.0	-521.5	555.3	761.8	0.00	0.00	0.00
Lewis									
2,900.0	23.26	133.20	2,755.6	-534.3	569.0	780.5	0.00	0.00	0.00
3,000.0	23.26	133.20	2,847.5	-561.3	597.8	820.0	0.00	0.00	0.00
3,100.0	23.26	133.20	2,939.3	-588.4	626.6	859.5	0.00	0.00	0.00
3,195.4	23.26	133.20	3,027.0	-614.1	654.0	897.2	0.00	0.00	0.00
Huerf. Bent.									
3,200.0	23.26	133.20	3,031.2	-615.4	655.4	899.0	0.00	0.00	0.00
3,300.0	23.26	133.20	3,123.1	-642.4	684.1	938.5	0.00	0.00	0.00
3,400.0	23.26	133.20	3,215.0	-669.4	712.9	978.0	0.00	0.00	0.00
3,500.0	23.26	133.20	3,306.8	-696.5	741.7	1,017.5	0.00	0.00	0.00
3,600.0	23.26	133.20	3,398.7	-723.5	770.5	1,056.9	0.00	0.00	0.00

ConocoPhillips or its affiliates Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Vaughn #30N
Wellbore: Principal
Design: Planned

Local Co-ordinate Reference:
TVD Reference: RKB @ 6422.0ft (Generic Rig)
MD Reference: RKB @ 6422.0ft (Generic Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned 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)
3,686.3	23.26	133.20	3,478.0	-746.8	795.3	1,091.0	0.00	0.00	0.00
Chacra									
3,700.0	23.26	133.20	3,490.6	-750.5	799.3	1,096.4	0.00	0.00	0.00
3,800.0	23.26	133.20	3,582.5	-777.6	828.1	1,135.9	0.00	0.00	0.00
3,900.0	23.26	133.20	3,674.3	-804.6	856.9	1,175.4	0.00	0.00	0.00
3,937.6	23.26	133.20	3,708.8	-814.7	867.7	1,190.2	0.00	0.00	0.00
4,000.0	21.38	133.20	3,766.6	-831.0	885.0	1,214.0	3.00	-3.00	0.00
4,100.0	18.38	133.20	3,860.6	-854.3	909.8	1,248.0	3.00	-3.00	0.00
4,200.0	15.38	133.20	3,956.3	-874.1	930.9	1,277.0	3.00	-3.00	0.00
4,300.0	12.38	133.20	4,053.4	-890.6	948.4	1,301.0	3.00	-3.00	0.00
4,400.0	9.38	133.20	4,151.6	-903.5	962.2	1,319.9	3.00	-3.00	0.00
4,494.4	6.55	133.20	4,245.0	-912.4	971.7	1,333.0	3.00	-3.00	0.00
Upper Cliffhouse									
4,500.0	6.38	133.20	4,250.6	-912.9	972.2	1,333.6	3.00	-3.00	0.00
4,562.7	4.50	133.20	4,313.0	-916.9	976.5	1,339.5	3.00	-3.00	0.00
Menefee									
4,600.0	3.38	133.20	4,350.2	-918.7	978.4	1,342.1	3.00	-3.00	0.00
4,700.0	0.38	133.20	4,450.2	-921.0	980.8	1,345.4	3.00	-3.00	0.00
4,712.8	0.00	0.00	4,463.0	-921.0	980.8	1,345.4	3.00	-3.00	-1,038.08
7" - Vaughn #30N - ICP									
4,800.0	0.00	0.00	4,550.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
4,900.0	0.00	0.00	4,650.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,750.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,090.8	0.00	0.00	4,841.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Pt. Lookout									
5,100.0	0.00	0.00	4,850.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,200.0	0.00	0.00	4,950.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,050.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,150.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,417.8	0.00	0.00	5,168.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Mancos Shale									
5,500.0	0.00	0.00	5,250.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,350.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,450.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,550.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,650.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,750.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,100.0	0.00	0.00	5,850.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,154.8	0.00	0.00	5,905.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Gallup									
6,200.0	0.00	0.00	5,950.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,050.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,150.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,250.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,350.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,450.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,550.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,650.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,750.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
7,017.8	0.00	0.00	6,768.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Greenhorn									
7,072.8	0.00	0.00	6,823.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Graneros									

ConocoPhillips or its affiliates Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Vaughn #30N
Wellbore: Principal
Design: Planned

Local Co-ordinate Reference: Well Vaughn #30N
TVD Reference: RKB @ 6422.0ft (Generic Rig)
MD Reference: RKB @ 6422.0ft (Generic Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned 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)
7,100.0	0.00	0.00	6,850.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
7,129.8	0.00	0.00	6,880.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Two Wells									
7,177.8	0.00	0.00	6,928.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Paguate									
7,200.0	0.00	0.00	6,950.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
7,215.8	0.00	0.00	6,966.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Upper Cubero									
7,256.8	0.00	0.00	7,007.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Lower Cubero									
7,274.8	0.00	0.00	7,025.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Oak Canyon									
7,300.0	0.00	0.00	7,050.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
7,312.8	0.00	0.00	7,063.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Encinal									
7,394.8	0.00	0.00	7,145.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Burro Canyon									
7,400.0	0.00	0.00	7,150.2	-921.0	980.8	1,345.4	0.00	0.00	0.00
7,472.8	0.00	0.00	7,223.0	-921.0	980.8	1,345.4	0.00	0.00	0.00
Morrison - 4 1/2" - Vaughn #30N - PCP									

Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
Vaughn #30N - ICP	- plan hits target	0.00	0.00	4,463.0	-921.0	980.8	604,780.72	184,489.98	36° 27' 9.330 N	107° 28' 31.266 W
Vaughn #30N - PCP	- plan hits target	0.00	0.00	7,223.0	-921.0	980.8	604,780.72	184,489.97	36° 27' 9.330 N	107° 28' 31.266 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
215.0	215.0	9 5/8"	9.625	12.250
4,712.8	4,463.0	7"	7.000	8.750
7,472.8	7,223.0	4 1/2"	4.500	6.250

ConocoPhillips or its affiliates **Planning Report**

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Vaughn #30N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6422.0ft (Generic Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6422.0ft (Generic Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Vaughn #30N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Planned		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,021.0	1,948.0	Ojo Alamo		0.00		
2,198.4	2,111.0	Kirtland		0.00		
2,286.5	2,192.0	Fruitland		0.00		
2,768.7	2,635.0	Pictured Cliffs		0.00		
2,852.5	2,712.0	Lewis		0.00		
3,195.4	3,027.0	Huerf. Bent.		0.00		
3,686.3	3,478.0	Chacra		0.00		
4,494.4	4,245.0	Upper Cliffhouse		0.00		
4,562.7	4,313.0	Menefee		0.00		
5,090.8	4,841.0	Pt. Lookout		0.00		
5,417.8	5,168.0	Mancos Shale		0.00		
6,154.8	5,905.0	Gallup		0.00		
7,017.8	6,768.0	Greenhorn		0.00		
7,072.8	6,823.0	Graneros		0.00		
7,129.8	6,880.0	Two Wells		0.00		
7,177.8	6,928.0	Paguate		0.00		
7,215.8	6,966.0	Upper Cubero		0.00		
7,256.8	7,007.0	Lower Cubero		0.00		
7,274.8	7,025.0	Oak Canyon		0.00		
7,312.8	7,063.0	Encinal		0.00		
7,394.8	7,145.0	Burro Canyon		0.00		
7,472.8	7,223.0	Morrison		0.00		

PROJECT PROPOSAL - New Drill / Sidetrack

VAUGHN 30N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7233		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location:					
Latitude: 36.455121		Longitude: -107.478686		Datum Code: NAD 27	
Footage X: 840 FWL		Footage Y: 1830 FSL		Elevation: 6407 (FT)	
Tolerance:		Section: 28			
Range: 006W		Township: 026N			
Location:					
Latitude: 36.452592		Longitude: -107.475352		Datum Code: NAD 27	
Footage X: 1805 FWL		Footage Y: 900 FSL		Elevation: (FT)	
Tolerance:		Section: 28			
Range: 006W		Township: 026N			
Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:					
Formation Data: Assume KB = 6422 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	215	6207	☐		
OJO ALAMO	1948	4474	☐		
KIRTLAND	2111	4311	☐		
FRUITLAND	2192	4230	☐		Possible Gas
PICTURED CLIFFS	2635	3787	☐		
LEWIS	2712	3710	☐		
HUERFANITO BENTONITE	3027	3395	☐		
CHACRA	3478	2944	☐		
UPPER CLIFF HOUSE	4245	2177	☐		
MENEFEE	4313	2109	☐		
Intermediate Casing	4712	1710	☐		
POINT LOOKOUT	4841	1581	☐	650	
MANCOS	5168	1254	☐		
UPPER GALLUP	5905	517	☐		
GREENHORN	6768	-346	☐		
GRANEROS	6823	-401	☐		
TWO WELLS	6880	-458	☐	1600	Gas
PAGUATE	6928	-506	☐		
CUBERO	6966	-544	☐		
LOWER CUBERO	7007	-585	☐		
OAK CANYON	7025	-603	☐		
ENCINAL	7063	-641	☐		

PROJECT PROPOSAL - New Drill / Sidetrack

VAUGHN 30N

DEVELOPMENT

BURRO CANYON	7145	-723	☐	
MORRISON	7223	-801	☐	TD - Top/Morrison
Total Depth	7223	-801	☐	6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80 LTC, casing. Cement with 380 cubic ft. Circulate cement a minimum of 100' inside the previous string.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	Vaughn 27	26N-6W28 NE SW SW
Intermediate	Vaughn 16	26N-6W28 SE NW SW
Production	Vaughn 31E	26N-6W29 SW NE SE
Production	Vaughn 30	26N-6W28 NW NE SW
Production	Vaughn 15E	26N-6W28 NE SE SE

Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Cased Hole GR / CBL	

Mudlog from 100' above Greenhorn to TD - mudlogger will call TD

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM026N006W28SW2 DK 26N06W28SW2 Avoid K, twin Vaughn 27(PC), else prefer M,N,L, do not twin any other well.

Zones - MVNM026N006W28SW2 DK 26N06W28SW2

General/Work Description - 1/8/08-is economic as DD per Ryan Frost wfp
GOOD. DOES NOT INCLUDE LEWIS FORMATION..

DRILLING: LPT DK zone (rwall, ram 6/27/07)