

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 10 2008	5. Lease Number NMSF-079193 Unit Reporting Number
1b. Type of Well GAS	Bureau of Land Management Farmington Field Office	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name San Juan 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name RCVD JAN 27 '10 OIL CONS. DIV. DIST. 3
4. Location of Well Surf: Unit E(SWNW), 1810' FNL & 250' FWL BHL E 1810' FWL 1000' FWL Surf: Latitude 36.649561° N Longitude 107.496879° W		10. Field, Pool, Wildcat Basin FC/ 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 20, T28N, R6W API # 30-039-30498
14. Distance in Miles from Nearest Town 31 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 750'		
16. Acres in Lease 2,240.00	17. Acres Assigned to Well 320.00 (W/2) - FC 160.00 (NW/4) - PC	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 575' from San Juan 28-6 Unit #143N		
19. Proposed Depth 3558'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6571' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)	<u>3/7/08</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 1/19/2010

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 any statement or presentation 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 2

Bond Numbers NMB-000015 and NMB-000089

FEB 04 2010

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

NMOCD

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

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOCD FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATIVE METHOD, PURSUANT TO
NMOCD PART 19.15.17, PRIOR TO THE USE OR
CONSTRUCTION OF THE ABOVE APPLICATIONS.

Hold C104

for Directional Survey

NOTIFY AZTEC OGD 24 HRS
PRIOR TO CASING & CEMENT

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 12 2009

Sundry Notices and Reports on Wells

Bureau of Land Management
Farmington Field Office

1. Type of Well
GAS

2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator
Farmington, NM 87499 (505) 326-9700

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

Surface: Unit E (SWNW) 1810' FNL & 250' FWL, Sec. 20, T28N, R6W, NMPM
Bottom: Unit E (SWNW) 1800' FNL & 1000' FWL, Sec. 20, T28N, R6W, NMPM

5. Lease Number
NMSF-079193
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
San Juan 28-6 Unit
8. Well Name & Number
San Juan 28-6 Unit 458S
9. API Well No.
30-039- 30498
10. Field and Pool
Basin FC
Rio Arriba Co., NM

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 - Move Surface Location☐ 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 move the subject location from the footages submitted with the APD on 03/7/08. The original footages were Unit E (SWNW) 1635' FNL & 750' FWL, Sec. 20, T28N, R6W. The new footages will be Surface hole: Unit E (SWNW) 1810' FNL & 250' FWL, Sec. 20, T28N, R6W, and Bottom hole: Unit E (SWNW) 1800' FNL & 1000' FWL, Sec. 20, T28N, R6W which is in the original quarter. The location is being moved at the BLM and Grazing Permittee request.

Attached: plat, topo, cut & fill, driving directions.

RCVD JAN 27 '10
OIL CONS. DIV.
DIST. 3

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

Signed Tracey N. Monroe Tracey N. Monroe Title Staff Regulatory Technician Date 08/11/2009

(This space for Federal or State Office use)

APPROVED BY [Signature] Title AFM Date 1/19/2010

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

NMOCD

PC

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 30-039-30498		*Pool Code 71629	*Pool Name FRUITLAND COAL
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT		*Well Number 458S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6605'

¹⁰ Surface Location

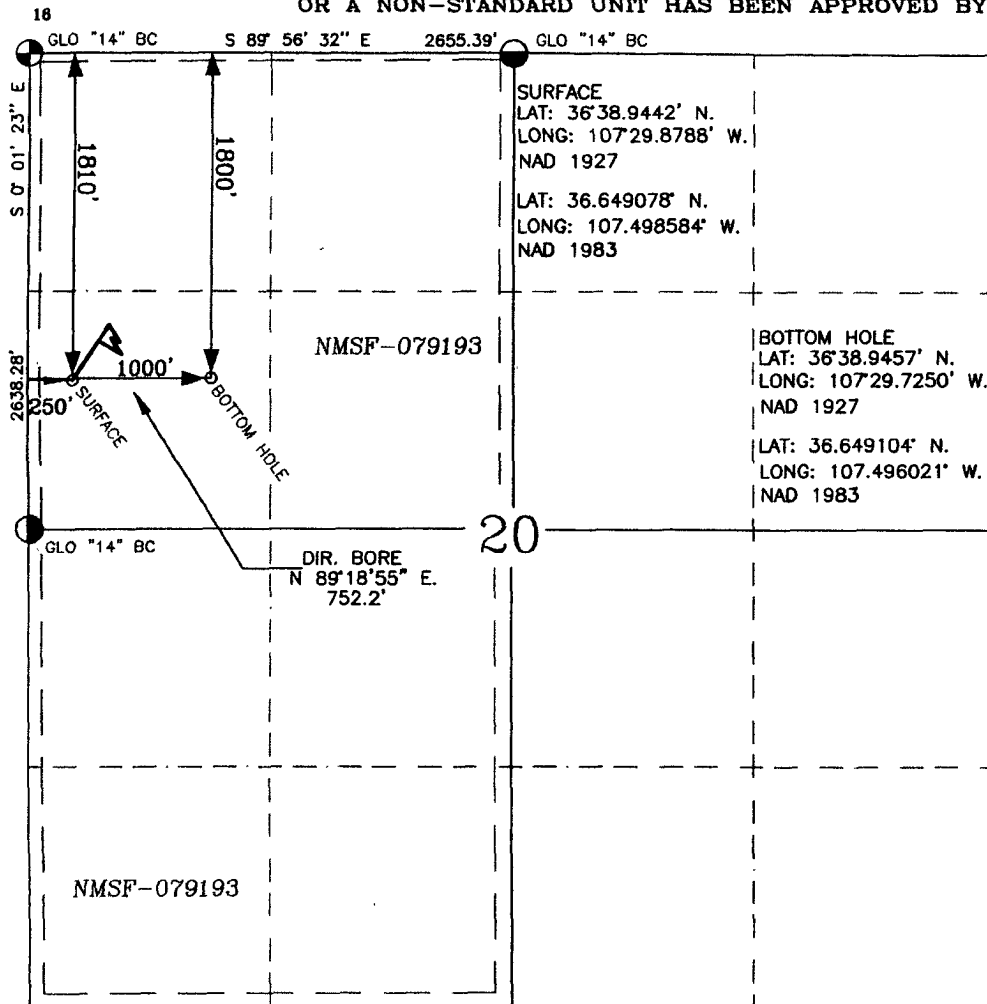
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	28-N	6-W		1810'	NORTH	250'	WEST	RIO ARriba

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
E	20	28-N	6-W		1800'	NORTH	1000'	WEST	RIO ARriba

¹² Dedicated Acres FC 320.0 ACRES W/2		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.	
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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 11/24/08
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.

10/28/08
Date of Survey
Signature: *Glenn W. Russell*
Glenn W. Russell
Professional Surveyor
15703
Certificate Number 15703

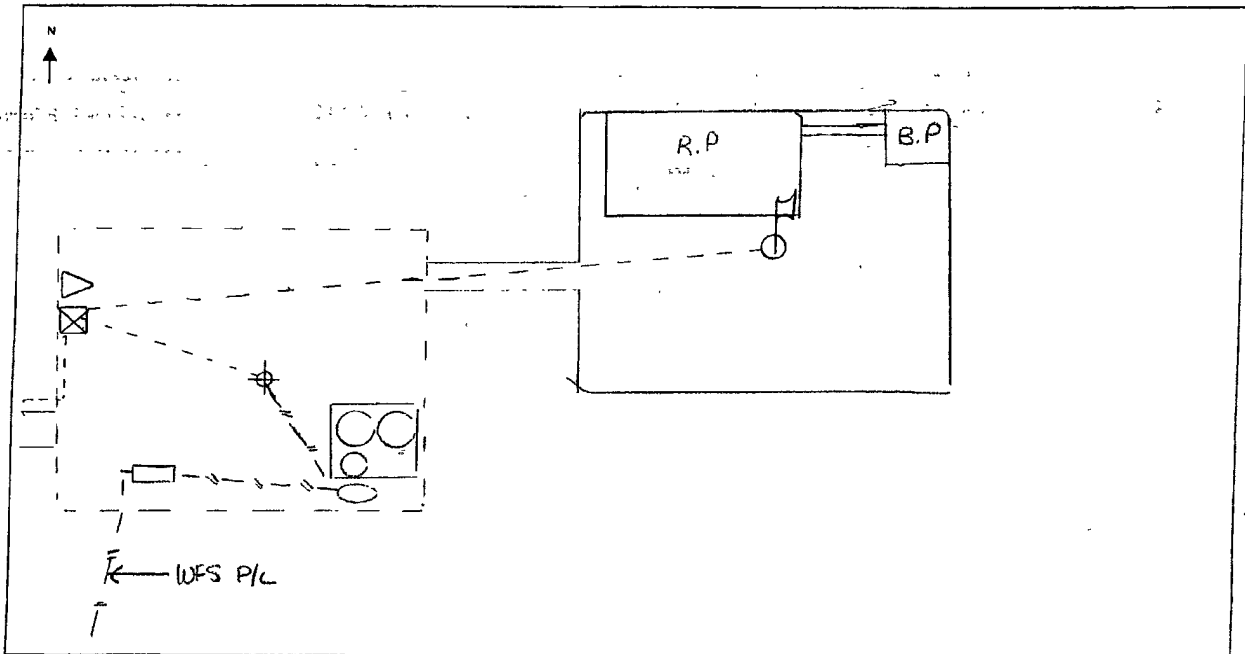


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 28-6 #458S LEGALS E-20-28-6 COUNTY Rio Arriba

PURPOSED C.P. SYSTYEM: Upgrade existing rectifier on SJ 28-6 #143N Trench approx 900'
of #8 neg from proposed well to existing rectifier on SJ 28-6 #143N.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: Rect 4.8 v / 3.1 a = 1.54 ohm GB 2 well rectifier appears new

NEAREST POWER SOURCE Existing Rect. SJ 28-6 #143N DISTANCE: 900'
PIPELINES IN AREA: WFS P/L

TECHNICIAN: Michael Hinojosa DATE: 9/27/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

R.L.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 458S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7084		AFE \$: 1,101,704.24	
Field Name: SAN JUAN		Rig: XXX Deferred Uneconomic Rig		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
2035	FRUITLAND COAL

Location: Surface		Datum: Code NAD 27		Directional:	
Latitude: 36.649070	Longitude: -107.497979	X:	Y:	Section: 20	Range: 006W
Footage X: 250 FWL	Footage Y: 1810 FNL	Elevation: 6605	(FT)	Township: 028N	

Tolerance:

Location: Bottom: Hole		Datum: Code NAD 27		Directional:	
Latitude: 36.649096	Longitude: -107.495416	X:	Y:	Section: 20	Range: 006W
Footage X: 1000 FWL	Footage Y: 1800 FNL	Elevation:	(FT)	Township: 028N	

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2020	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6616 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6496	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	2617	3999	<input type="checkbox"/>			
KIRTLAND	2714	3902	<input type="checkbox"/>			
FRUITLAND	2966	3650	<input type="checkbox"/>	400	Gas	
FRUITLAND COAL	3179	3437	<input type="checkbox"/>			
PICTURED CLIFFS	3400	3216	<input type="checkbox"/>		Gas	
Total Depth	3600	3016	<input type="checkbox"/>			6-1/4" hole. TD @ 3718' MD. 4-1/2" 11.6 ppf, J-55, LTC casing. Cement with 498 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	SJ 28-6 143 N	

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR_CBL, no OH logs or mud logs needed.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates
Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-6 #458S
Wellbore: SJ 28-6 #458S Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-6 #458S
TVD Reference: WELL @ 6616.0ft (AWS 580)
MD Reference: WELL @ 6618.0ft (AWS 580)
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)
3,717.3	0.00	0.00	3,600.0	9.1	752.0	752.1	0.00	0.00	0.00
SJ 28-6 #458S TD									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
hit/miss target									
Shape									
SJ 28-6 #458S WH	0.00	0.00	0.0	0.0	0.0	2,055,685.67	598,376.63	36° 38' 56.652 N	107° 28' 52.728 W
- plan hits target center									
- Point									
SJ 28-6 #458S Top FTC	0.00	0.00	3,179.0	9.1	752.0	2,055,697.41	599,128.56	36° 38' 56.742 N	107° 28' 43.500 W
- plan hits target center									
- Point									
SJ 28-6 #458S TD	0.00	0.00	3,600.0	9.1	752.0	2,055,697.41	599,128.56	36° 38' 56.742 N	107° 28' 43.500 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
120.0	120.0	Surface Casing	0	0
3,717.3	3,600.0	Production Casing	0	0

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,811.1	2,669.0	Fruitland		0.00	
2,826.5	2,714.0	Kirtland		0.00	
2,725.8	2,617.0	Ojo Alamo		0.00	
3,517.3	3,400.0	Picture Cliffs		0.00	

REFERENCE INFORMATION

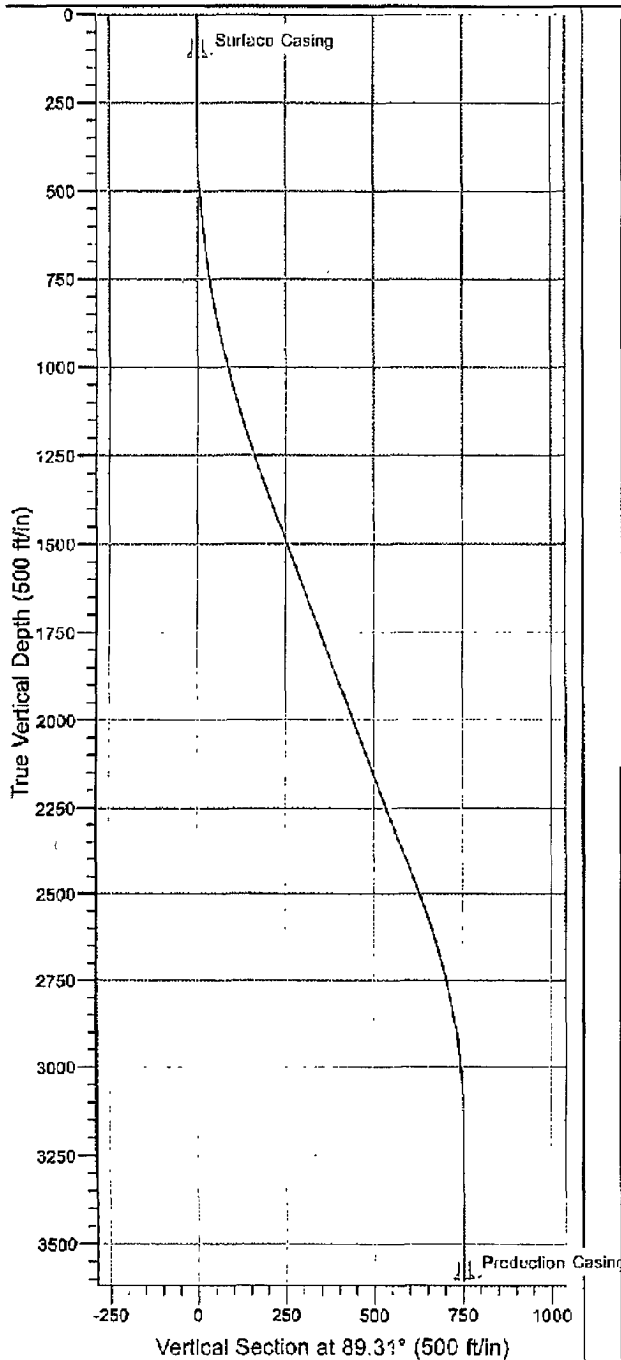
WELL @ 6616.0ft (AWS 580)
Ground Elevation 6605.0
Reference Lat: 36° 38' 56.652 N
Reference Long: 107° 29' 52.728 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-6 #458S
Wellbore: SJ 28-6 #458S Wellbore
Design: Plan #1



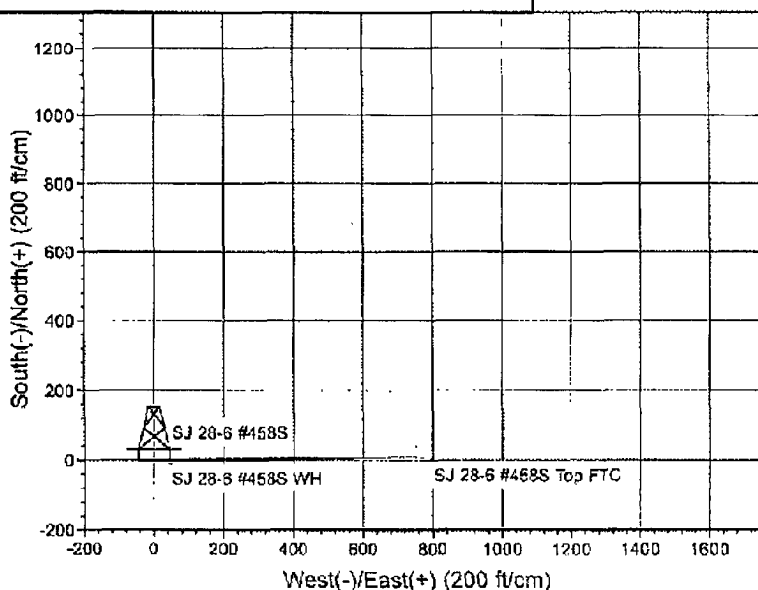
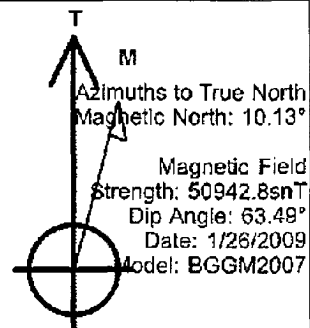
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1321.8	20.44	89.31	1300.3	2.2	180.3	2.00	89.31	180.3	
4	2615.1	20.44	89.31	2512.1	7.7	631.8	0.00	0.00	631.9	
5	3296.3	0.00	0.00	3179.0	9.1	752.0	3.00	180.00	752.1	SJ 28-6 #458S Top FTC
6	3717.3	0.00	0.00	3600.0	9.1	752.0	0.00	0.00	752.1	SJ 28-6 #458S TD



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2617.0	2725.8	Ojo Alamo
2699.0	2811.1	Fruitland
2714.0	2826.6	Kirtland
3400.0	3517.3	Picture Cliffs



Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT 458S
1810' FNL & 250' FWL,
Section 20, T28N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 38' 56.68" N
Longitude: 107° 29' 54.90" W
Nad 1983

From the Post Office in Blanco, NM
Take Highway 64 East for 22.8 miles
turn right (southwesterly) for 1.96 miles,
turn right (southwesterly) for 1.30 miles,
to the top of snake hill,
turn right (westerly) for 3.0 miles,
turn left (southerly) for 1.8
turn left (easterly) 0.4 miles,
to the newly staked well location, twinned on existing well pad,
SAN JUAN 28-6 UNIT 143N.