

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK AUG 14 2009

1a. Type of Work DRILL	5. Lease Number SF-078424 Unit Reporting Number NMNM78417A-MV/NMNM78417B-DK
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 53M
4. Location of Well Surf: Unit F (SENW), 1590' FNL & 2140' FWL Bottomhole: Unit B (NWNE), 710' FNL & 1980' FEL Surf: Latitude: 36.699702° N (NAD83) Longitude: 107.560037° W Bottomhole: Latitude: 36.702101° N (NAD83) Longitude: 107.556055° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 27, T29N, R7W API # 30-039-30801
14. Distance in Miles from Nearest Town 17 miles/Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	13. State NM
16. Acres in Lease 2160	17. Acres Assigned to Well MV/DK 320 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 53' from San Juan 29-7 Unit 59B	
19. Proposed Depth 8161'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6846' GL	22. Approx. Date Work will Start 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
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: Tracey N. Monroe (Staff Regulatory Technician)	Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE 5/4/2010

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 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

Bond Numbers NMB-000015 and NMB-000089

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

MAY 13 2010

NMOCD

Hold C1040... NOTIFIED ARE for Directional Survey and "As Drilled" plat GENERAL REQUIREMENTS.

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. AUG 14 2009
Santa Fe, NM 87505

Bureau of Land Management
Farmington Field Office

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 30-039-30801		*Pool Code 72319/71599		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 7465		*Property Name SAN JUAN 29-7 UNIT			*Well Number 53M
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			*Elevation 6846'

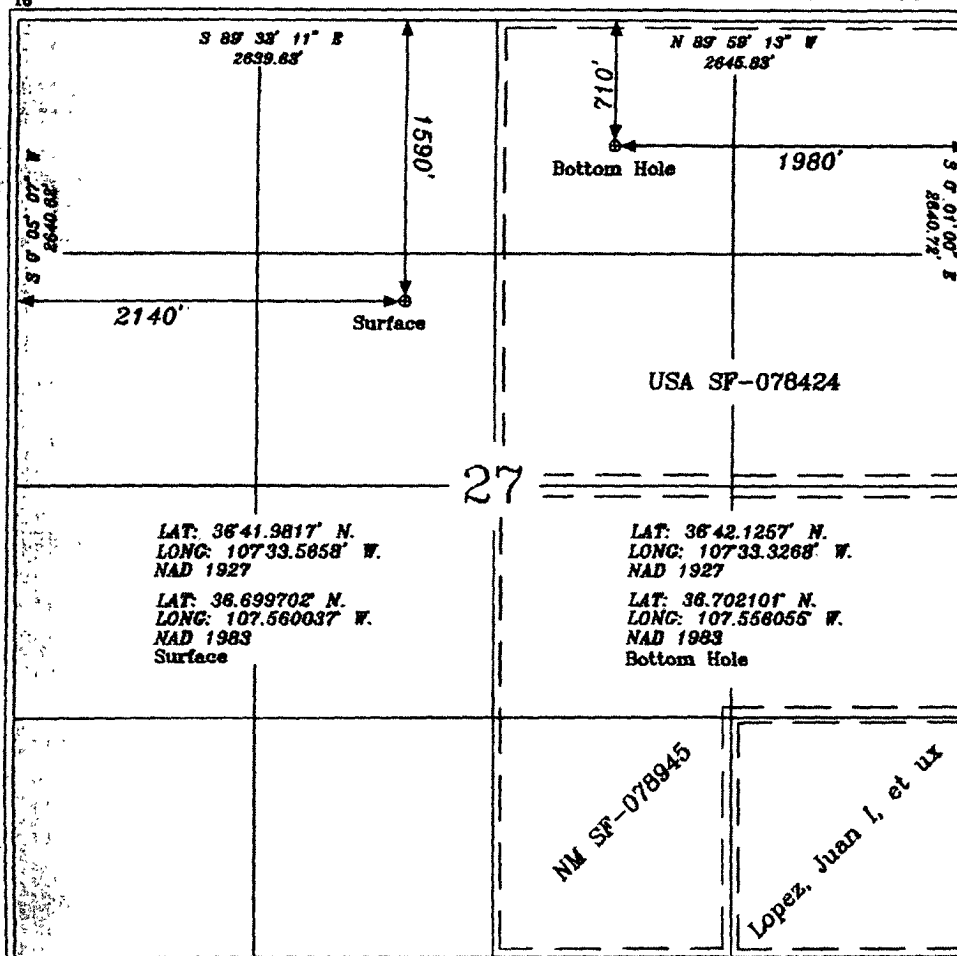
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	29-N	7-W		1590'	NORTH	2140'	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
B	27	29-N	7-W		710'	NORTH	1980'	EAST	RIO ARRIBA
¹² Dedicated Acres MV 320.00 ACRES E/2 DK 320.00 ACRES E/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 undivided 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.

Sasha Spangler
Signature

Sasha Spangler 01-21-08
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.

1-16-08
Date of Survey
Signature and Title of Professional Surveyor

Calvin W. Russell
15703
Certificate Number

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PDO7.I8		
SAN JUAN 29 - 7 # 53 M	DATE	1/18/2008
WELL NAME		
WELL NAME		

COORDINATES

COUNTY

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
F 27	29 N	7 W	36 41.9817 N	107 33.5658 W

RIO ARRIBA

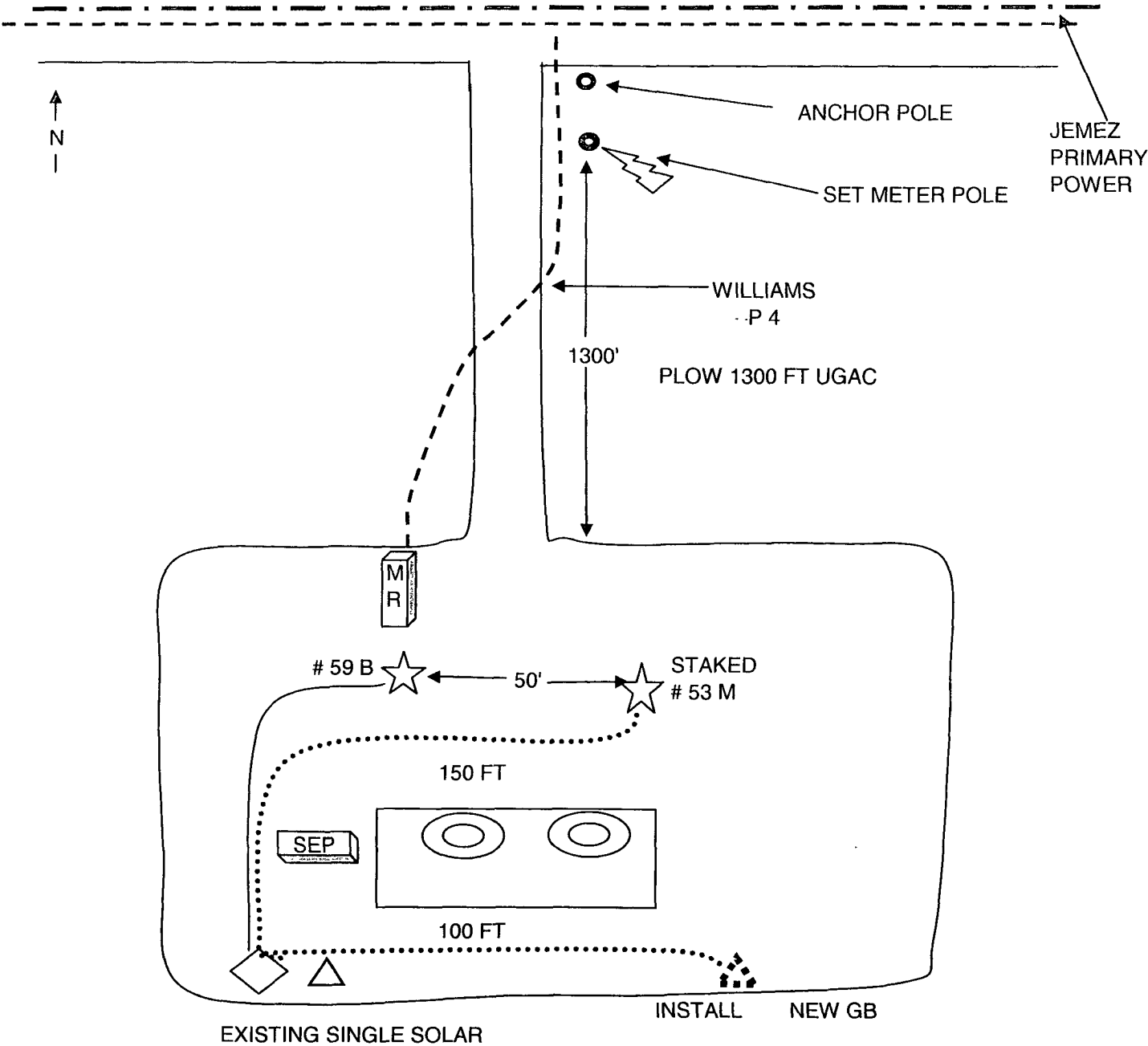
RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP
COMPRESSOR
RTU
SAMS
TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
40/16	X			
SINGLE		X		
	X			
100 A	X			
# 8	350 FT			
# 8	1300 FT			
			JEMEZ	
			1300 FT	

COMMENTS

REMOVE SINGLE SOLAR - INSTALL RECTIFIER SYSTEM - PLOW 1300 FT UGAC
SAND & SANDSTONE

WELL NAME
SAN JUAN 29 - 7 # 53 M



EXISTING SINGLE SOLAR					
TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE
			FOREIGN PL	CONOCO PL	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 53M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7014				AFE \$: 1,780,198.74	
Field Name: SAN JUAN 29-7 UNIT		Rig: XXX Deferred Regulatory		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Direction:							
Latitude: 36.699695	Longitude: -107.559430	X:	Y:	Section: 27		Range: 007W	
Footage X: 2140 FWL	Footage Y: 1590 FNL	Elevation: 6846 (FT)		Township: 029N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Direction:							
Latitude: 36.702094	Longitude: -107.555448	X:	Y:	Section: 27		Range: 007W	
Footage X: 1980 FEL	Footage Y: 710 FNL	Elevation:		(FT) Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2020		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6861 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	215	6646	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 170 cubic ft. Circulate cement to surface.	
OJAM	2666	4195	☐				
KRLD	2859	4002	☐				
FRLD	3194	3667	☐			Possible Gas	
PCCF	3639	3222	☐				
LEWS	3814	3047	☐				
Intermediate Casing	4400	2461	☐			8-3/4" hole. 7", 23 ppf, L-80, LTC casing. Cement with 1059 cubic ft. Circulate cement to surface.	
CHRA	4611	2250	☐				
UCLFH	5167	1694	☐			Gas	
MASSIVE CLIFF HOUSE	5365	1496	☐	557		Gas	
MENF	5457	1404	☐				
PTLK	5827	1034	☐				
MNCS	6331	530	☐				
GLLP	7055	-194	☐				
GRHN	7783	-922	☐				
GRRS	7840	-979	☐				
TWLS	7891	-1030	☐	1800		Gas	
PAGU	7978	-1117	☐				
CBRO	8005	-1144	☐				
CBRL	8035	-1174	☐				
ENCINAL	8101	-1240	☐			TD 60' below T/ENCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 53M

DEVELOPMENT

TOTAL DEPTH DK	8161	-1300	☐	6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 513 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
----------------	------	-------	--------------------------	--

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 29-7 #53A	SE 27-29N-7W
Production	SJ 29-7 #128	SW 27-29N-7W

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR_CBL, MUDLOGGER 100' above GRHN to TD	

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #53M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6861.0ft (Generic Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6861.0ft (Generic Rig)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #53M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Planned		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,834.1	2,666.0	Ojo Alamo		0.00		
3,049.6	2,859.0	Kirtland		0.00		
3,423.8	3,194.0	Fruitland Coal		0.00		
3,919.6	3,639.0	Pictured Cliffs		0.00		
4,106.7	3,814.0	Lewis		0.00		
4,913.3	4,611.0	Chacra		0.00		
5,469.3	5,167.0	Upper Cliffhouse		0.00		
5,667.3	5,365.0	Massive Cliff House		0.00		
5,759.3	5,457.0	Menefee		0.00		
6,129.3	5,827.0	Massive Point Lookout		0.00		
6,633.3	6,331.0	Mancos		0.00		
7,357.3	7,055.0	Gallup		0.00		
8,085.3	7,783.0	Greenhorn		0.00		
8,142.3	7,840.0	Graneros		0.00		
8,193.3	7,891.0	Two Wells		0.00		
8,280.3	7,978.0	Paguate		0.00		
8,307.3	8,005.0	Upper Cubero		0.00		
8,337.3	8,035.0	Lower Cubero		0.00		
8,403.3	8,101.0	Encinal		0.00		

REFERENCE INFORMATION

RKB @ 6861.0ft (Generic Rig)
Ground Elevation 6846.0
Reference Lat: 36° 41' 58.902 N
Reference Long: 107° 33' 33.948 W

Project: San Juan Basin - New Mexico Well

Site: San Juan 29 Wells

Well: SJ 29-7 #53M

Wellbore: Principal

Design: Planned



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	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1672.6	26.45	53.29	1626.1	179.3	240.4	2.00	53.29	299.9	
4	3820.6	26.45	53.29	3549.2	751.2	1007.5	0.00	0.00	1256.8	
5	4702.4	0.00	0.00	4400.0	870.8	1167.8	3.00	180.00	1456.7	SJ 29-7 #53M - ICP
6	8463.3	0.00	0.00	8161.0	870.8	1167.8	0.00	0.00	1456.7	SJ 29-7 #53M - PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2666.0	2834.1	Ojo Alamo
2859.0	3049.7	Kirtland
3194.0	3423.8	Fruitland Coal
3639.0	3919.6	Pictured Cliffs
3814.0	4106.7	Lewis
4611.0	4913.4	Chacra
5167.0	5469.4	Upper Cliffhouse
5365.0	5667.4	Massive Cliff House
5457.0	5759.4	Menefee
5827.0	6129.4	Massive Point Lookout
6331.0	6633.4	Mancos
7055.0	7357.4	Gallup
7783.0	8085.3	Greenhorn
7840.0	8142.3	Graneros
7891.0	8193.3	Two Wells
7978.0	8280.3	Paguate
8005.0	8307.3	Upper Cubero
8035.0	8337.3	Lower Cubero
8101.0	8403.3	Encinal

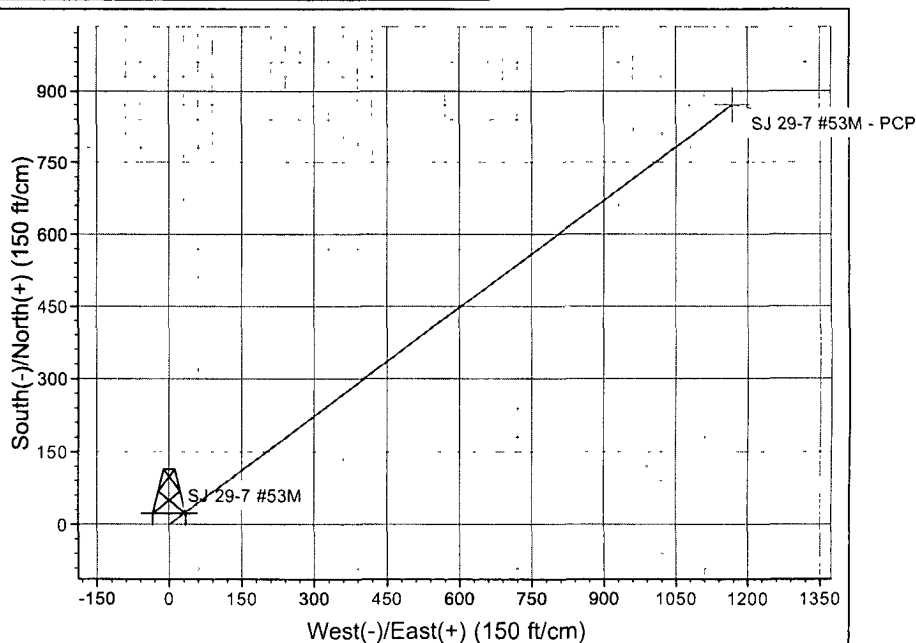
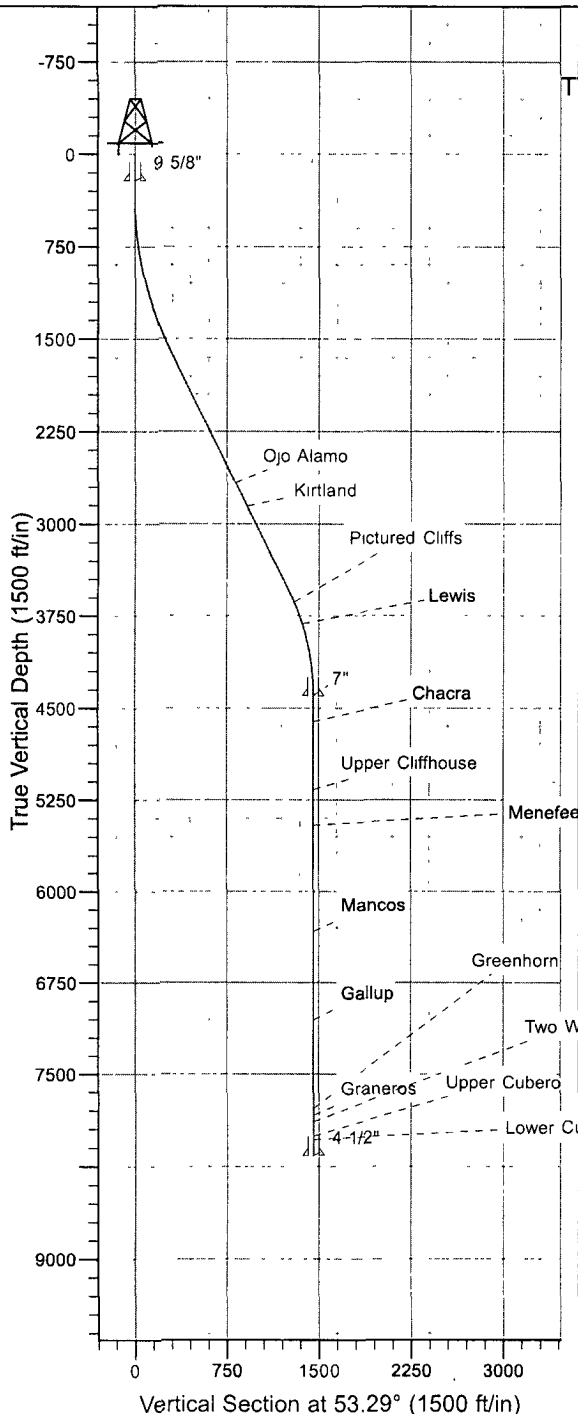
T/M



Azimuths to True North
Magnetic North: 0.00°

RCVD MAY 7 '10

OIL CONS. DIV.
DIST. 3



SEE SHEET 3 & 4 FOR PAGING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. 3'-0" TOP

50 - 17345

[illegible]

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 53M
1590' FNL & 2140' FWL,
Section 27, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36.699702° N
Longitude: 107.560037° W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 8.5 miles

Turn right (southerly) for 0.6 miles,
Stay left @ y-intersection (southeasterly) for 1.0 miles,
Turn left (northerly) for 0.3 miles,
Turn right (easterly) along Ridge Road 6.2 miles,
Turn left (northeast) 0.5 miles,
Turn right (south) 0.2 miles,
to the newly staked location on existing well pad,
SAN JUAN 29-7 UNIT 59B.