

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 11 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078425 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 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 RCVD OCT 5 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surface: Unit I (NESE), 1490' FSL & 1210' FEL Bottomhole: Unit O (SWSE), 600' FSL & 2400' FEL Surface: Latitude: 36.693545° N (NAD83) Longitude: 107.517449° W Bottomhole: Latitude: 36.691116° N (NAD83) Longitude: 107.521503° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 25, T29N, R7W API # 30-039-30969	
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 600'		
16. Acres in Lease 2,080.00	17. Acres Assigned to Well 320.00 E/2 (MV/DK)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 62' from San Juan 29-7 Unit 69A		
19. Proposed Depth 8034' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6728' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". Hold C104 for Directional Survey and "As Drilled" plan 5/11/2010	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	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.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

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.

OCT 19 2010

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. MAY 11 2010
Santa Fe, NM 87505

Submit to Appropriate District Office
2010 State Lease - 4 Copies
Fee Lease - 3 Copies

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

Bureau of Land Management
Farmington Field Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30969		² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT		⁶ Well Number 139N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6728'

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
1	25	29-N	7-W		1490'	SOUTH	1210'	EAST	RIO ARRIBA

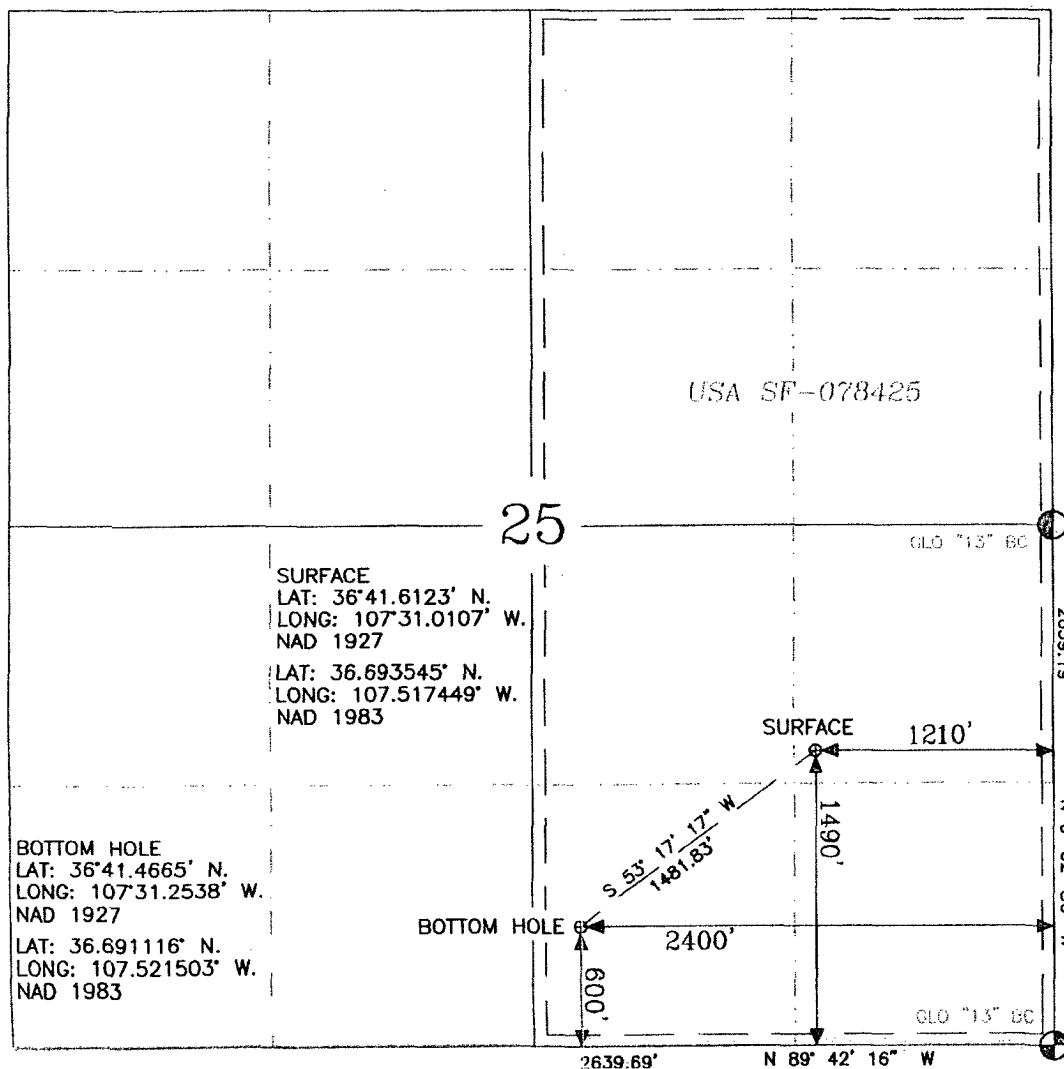
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	25	29-N	7-W		600'	SOUTH	2400'	EAST	RIO ARRIBA

¹⁵ Dedicated Acres MV 320.00 ACRE E/2 DK 320.00 ACRE E/2	¹⁶ Joint or Infill	¹⁷ Consolidation Code	¹⁸ 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

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 released 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.

Signature Cristal Taboza 2/24/09

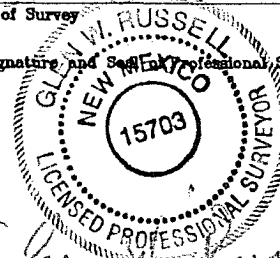
Crystal Tafoya 2-24-09
Printed Name

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.

2-18-09
Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 139N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7026				AFE \$: 1,770,162.14	
Field Name: SAN JUAN 29-7 UNIT		Rig: XXX Deferred Regulatory		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		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		Directional					
Latitude: 36.693538	Longitude: -107.516843	X:	Y:	Section: 25	Range: 007W		
Footage X: 1210 FEL	Footage Y: 1490 FSL	Elevation: 6728	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole							
Datum Code: NAD 27		Directional					
Latitude: 36.691109	Longitude: -107.520897	X:	Y:	Section: 25	Range: 007W		
Footage X: 2400 FEL	Footage Y: 600 FSL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2020		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6744 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6544	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
OJO ALAMO	2672	4072	☐				
KIRTLAND	2831	3913	☐				
FRUITLAND	3168	3576	☐	144		Possible Gas	
PICTURED CLIFFS	3564	3180	☐	615			
LEWIS	3758	2986	☐				
Intermediate Casing	4258	2486	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1028 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4353	2391	☐				
CHACRA	4551	2193	☐				
UPPER CLIFF HOUSE	4816	1928	☐			Gas	
MASSIVE CLIFF HOUSE	5240	1504	☐	543		Gas	
MENEFEE	5381	1363	☐				
POINT LOOKOUT	5732	1012	☐				
MANCOS	6228	516	☐				
UPPER GALLUP	6972	-228	☐				
GREENHORN	7704	-960	☐				
GRANEROS	7757	-1013	☐				
TWO WELLS	7806	-1062	☐	2668		Gas	
UPPER CUBERO	7920	-1176	☐				
LOWER CUBERO	7954	-1210	☐				
ENCINAL	8030	-1286	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 139N

DEVELOPMENT

Total Depth	8034	-1290	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 515 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	SAN JUAN 29-7 UNIT 30E	
Production	SAN JUAN 29-7 UNIT 139	

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
GR_CBL, Molog 100' above GRHN to TD, Mud logger will call td. Perf 20' above td.							

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

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 29 Wells
Well: SJ 29-7 #139N
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 29-7 #139N
TVD Reference: RKB @ 6744.0ft (H&P Rigs)
MD Reference: RKB @ 6744.0ft (H&P Rigs)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,229.7	7,920.0	Upper Cubero		0.00		
4,860.7	4,551.0	Chacra		0.00		
8,343.7	8,034.0	TD		0.00		
2,869.3	2,672.0	Ojo Alamo		0.00		
3,857.4	3,564.0	Pictured Cliffs		0.00		
8,013.7	7,704.0	Greenhorn		0.00		
3,420.2	3,168.0	Fruitland		0.00		
4,061.8	3,758.0	Lewis		0.00		
5,125.7	4,816.0	Upper CliffHouse		0.00		
8,263.7	7,954.0	Lower Cubero		0.00		
6,537.7	6,228.0	Mancos		0.00		
8,066.7	7,757.0	Graneros		0.00		
5,549.7	5,240.0	Massive Cliffhouse		0.00		
8,115.7	7,806.0	Two Wells		0.00		
8,339.7	8,030.0	Encinal		0.00		
3,045.9	2,831.0	Kirtland		0.00		
4,662.7	4,353.0	Huerfanito Bentonite		0.00		
6,041.7	5,732.0	Pt. Lookout		0.00		
7,281.7	6,972.0	Upper Gallup		0.00		
5,690.7	5,381.0	Menefee		0.00		

REFERENCE INFORMATION

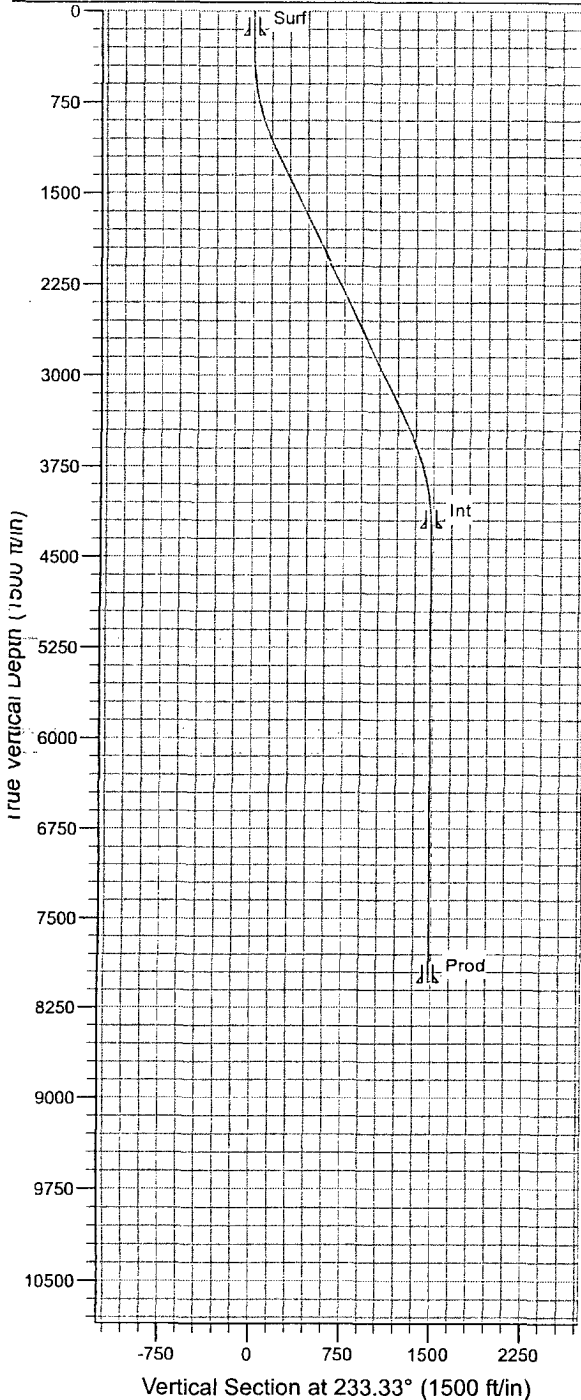
RKB @ 6744.0ft (H&P Rigs)
Ground Elevation 6728.0
Reference Lat: 36° 41' 36.738 N
Reference Long: 107° 31' 0.642 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 29 Wells
Well: SJ 29-7 #139N
Wellbore: Principal Wellbore
Design: Plan #1

ConocoPhillips

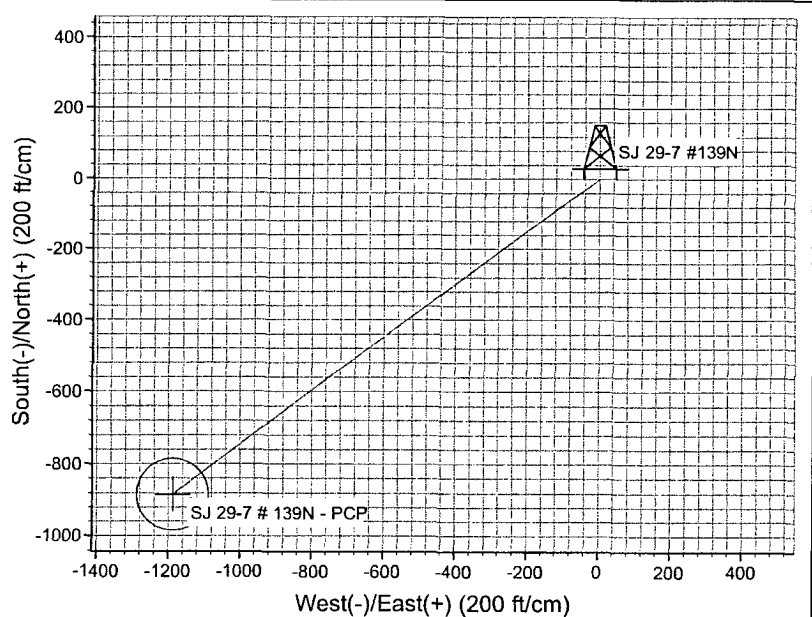
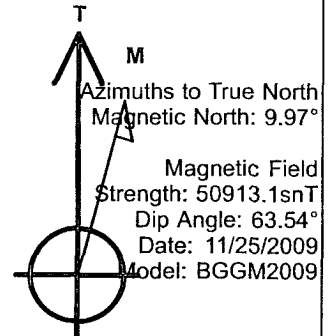
SECTION DETAILS

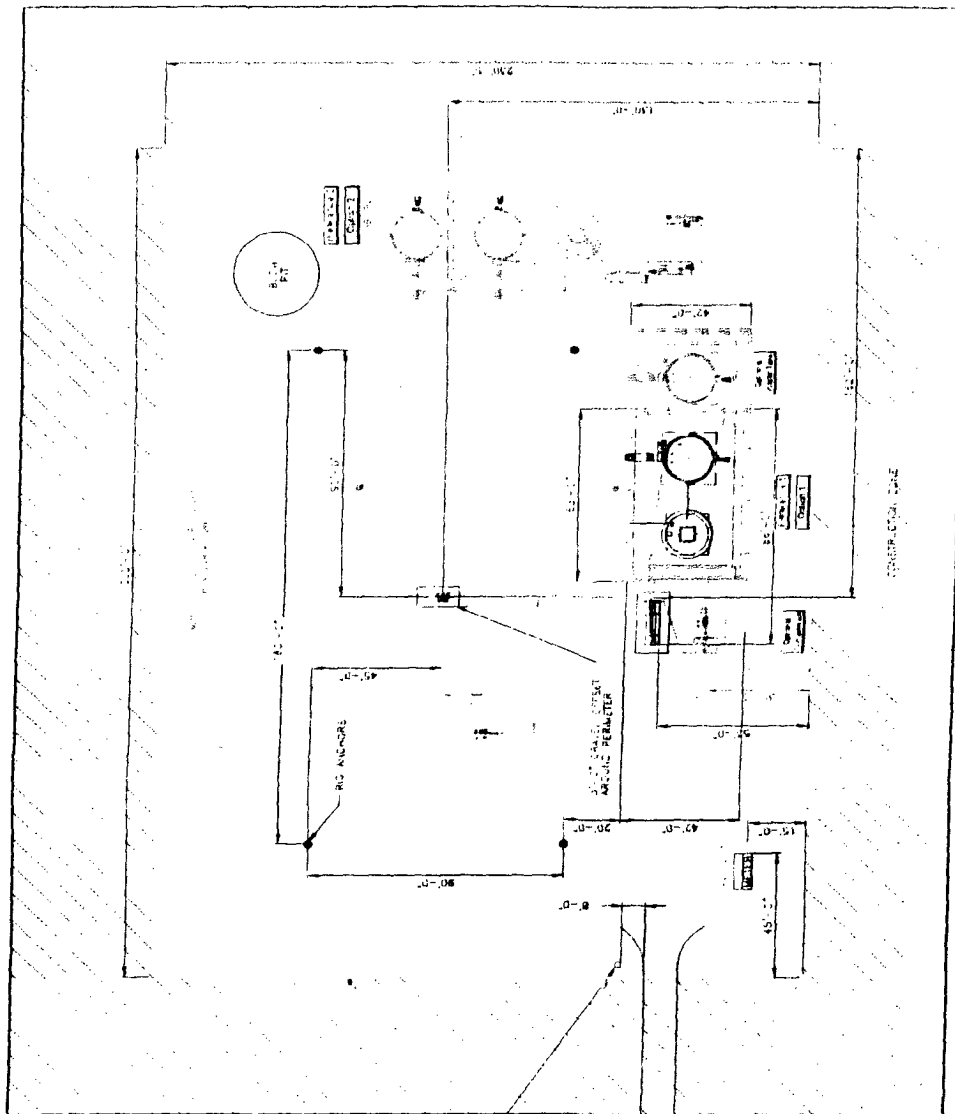
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1180.3	25.81	233.33	1151.5	-113.8	-152.8	3.00	233.33	190.5	
4	3707.4	25.81	233.33	3426.5	-770.9	-1035.2	0.00	0.00	1290.7	
5	4567.7	0.00	0.00	4258.0	-884.7	-1188.0	3.00	180.00	1481.2	SJ 29-7 # 139N - ICP
6	8343.7	0.00	0.00	8034.0	-884.7	-1188.0	0.00	0.00	1481.2	SJ 29-7 # 139N - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2672.0	2869.3	Ojo Alamo
2831.0	3045.9	Kirtland
3168.0	3420.2	Fruitland
3564.0	3857.4	Pictured Cliffs
3758.0	4061.8	Lewis
4353.0	4662.7	Huerfano Bentonite
4551.0	4860.7	Chacra
4816.0	5125.7	Upper CliffHouse
5240.0	5549.7	Massive Cliffhouse
5381.0	5690.7	Menefee
5732.0	6041.7	Pt. Lookout
6228.0	6537.7	Mancos
6972.0	7281.7	Upper Gallup
7704.0	8013.7	Greenhorn
7757.0	8066.7	Graneros
7806.0	8115.7	Two Wells
7920.0	8229.7	Upper Cubero
7954.0	8263.7	Lower Cubero
8030.0	8339.7	Encinal
8034.0	8343.7	TD





FLOW LINE
 SALES LINE
 PWT LINE
 OIL LINE

SEE SHEET 1 & 2 FOR FLOOR PLAN
 ALL DIMENSIONS ARE IN FEET AND INCHES

CONCRETE WORK		REINFORCEMENT		FORMWORK		PAINT		GLASS		ELECTRICAL		MECHANICAL		PLUMBING		HVAC		OTHER		TOTAL		REMARKS	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1		1		1		1		1		1		1		1		1		1		1		1	
2		2		2		2		2		2		2		2		2		2		2		2	
3		3		3		3		3		3		3		3		3		3		3		3	
4		4		4		4		4		4		4		4		4		4		4		4	
5		5		5		5		5		5		5		5		5		5		5		5	
6		6		6		6		6		6		6		6		6		6		6		6	
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Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 139N
1490' FSL & 1210' FEL,
Section 25, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 41' 36.76395" N
Long: 107° 31' 02.81985" W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 22.8 miles,
To 29-6 water well road,
Turn right (southerly) for 1.9 miles,
Turn right (southwesterly) for 1.3 miles,
To the top of Snake Hill,
Turn right (westerly) 2.8 miles along Ridge Road,
Turn right (northerly) 1.3 miles,
Turn left (westerly) 0.5 miles,
To newly staked location twinned on existing well pad,
SAN JUAN 29-7 UNIT 69A.