

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 01 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079522 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 DIST. 3 SAN JUAN 28-5 UNIT	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 73P	
4. Location of Well Surf: Unit J(NWSE), 1900' FSL & 2090' FEL BH: Unit I(NESE), 2110' FSL & 690' FEL Surf: Latitude: 36.614799° N (NAD83) Longitude: 107.32684° W BH: Latitude: 36.615262° N (NAD83) Longitude: 107.32207° W	10. Field, Pool, Wildcat BLANCO MV/BASIN DK 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 35, T28N, R5W BH: Sec. 35, T28N, R5W API # 30-039-30819	
14. Distance in Miles from Nearest Town 35 miles/Blanco	12. County RIO ARRIBA	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 690'	17. Acres Assigned to Well DK 330.92/MV 361.36 (S/2) → 330.92 ~ R2448 #12	
16. Acres in Lease 1590.59	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1137' from San Juan 28-5 Unit 73M	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	
19. Proposed Depth 7966'	Date Sept 30, 2009	
21. Elevations (DF, FT, GR, Etc.) 6682' GL	Authorized by: Ethel Tally Ethel Tally (Staff Regulatory Technician)	

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.

PERMIT NO. APPROVAL DATE
APPROVED BY *[Signature]* TITLE AFM DATE 10/7/09

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

Hold C104

for Directional Survey

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

NMOCD

OCT 20 2009

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
1000 Rio Brazos Rd., Artec, 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

OCT 01 2009

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30819	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7460	⁵ Property Name SAN JUAN 28-5 UNIT	⁶ Well Number 73P
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6682'

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
J	35	28-N	5-W		1900'	SOUTH	2090'	EAST	RIO ARRIBA

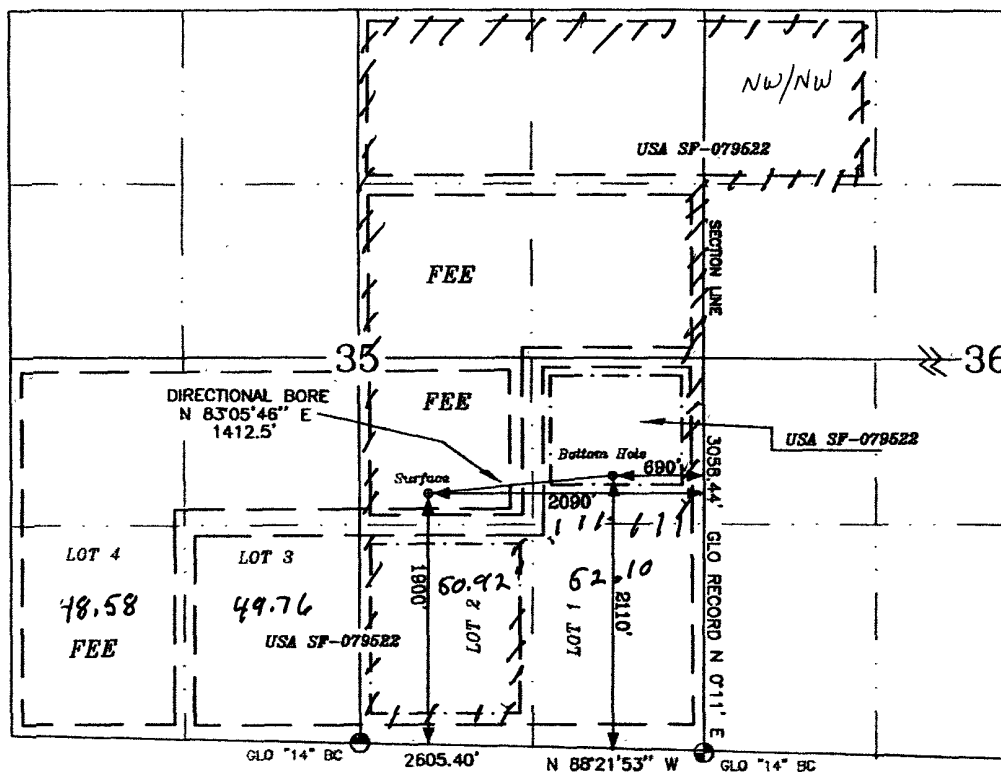
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	35	28-N	5-W		2110'	SOUTH	690'	EAST	RIO ARRIBA

¹² Dedicated Acres DK 330.92 ACRES MV 361.36 ACRES S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-2948 Unit 12 (DAKOTA)
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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



Surface

LAT: 36°36.8874' N.
LONG: 107°19.5748' W.
NAD 1927

LAT: 36.614799' N.
LONG: 107.326847' W.
NAD 1983

Bottom Hole

LAT: 36°36.9152' N.
LONG: 107°19.2882' W.
NAD 1927

LAT: 36.615262' N.
LONG: 107.322070' W.
NAD 1983

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.

Crystal Tafoya 5/11/09
Signature
Crystal Tafoya 5-11-09
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.

Date of Survey
Signature and Seal of Professional Surveyor

5-5
GLEN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 73P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8081				AFE \$: 1,847,545.38	
Field Name: SAN JUAN 28-5 UNIT		Rig: H&P Rig 283		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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Datum Code: NAD 27							
Latitude: 36.614790	Longitude: -107.326246	X:	Y:	Section: 35		Range: 005W	
Footage X: 2090 FEL	Footage Y: 1900 FSL	Elevation: 6682	(FT)	Township: 028N			
Tolerance:							
Location: Datum Code: NAD 27							
Latitude: 36.615253	Longitude: -107.321469	X:	Y:	Section: 35		Range: 005W	
Footage X: 690 FEL	Footage Y: 2110 FSL	Elevation:	(FT)	Township: 028N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6698 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6498	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
NACIMIENTO	1696	5002	☐				
OJO ALAMO	2897	3801	☐				
KIRTLAND	3066	3632	☐				
FRUITLAND	3162	3536	☐			Possible Gas	
PICTURED CLIFFS	3554	3144	☐				
LEWIS	3636	3062	☐				
Intermediate Casing	4000	2698	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 974 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4144	2554	☐				
CHACRA	4511	2187	☐			Est. Top Perf - 4511 (2185)	
UPPER CLIFF HOUSE	5099	1599	☐			Gas	
MASSIVE CLIFF HOUSE	5218	1480	☐	804		Gas	
MENEFEE	5365	1333	☐				
POINT LOOKOUT	5703	995	☐				
MANCOS	6238	460	☐				
UPPER GALLUP	6875	-177	☐				
GREENHORN	7630	-932	☐				
GRANEROS	7694	-996	☐				
TWO WELLS	7738	-1040	☐	1844		Gas	
PAGUATE	7816	-1118	☐				
UPPER CUBERO	7836	-1138	☐				
LOWER CUBERO	7883	-1185	☐			Est. Btm Perf - 7949 (-1253) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 73P

DEVELOPMENT

OAK CANYON	7950	-1252	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 541 cuft. Circulate cement a minimum of 100' inside the previous casing string. TD - T/ENCN
Total Depth	7966	-1268	☐	
ENCINAL	7966	-1268	☐	

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-5 72	28N 5W 35 NE SW
Production	SJ 28-5 73M	28N 5W 35 SW SE
Production	SJ 28-5 73	28N 5W 35 SW NE

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 top of GRHN to TD - mudlogger will call TD. Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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REFERENCE INFORMATION

RKB @ 6698.0ft (Original Well Elev)
Ground Elevation 6682.0
Reference Lat: 36° 36' 53.244 N
Reference Long: 107° 19' 34.488 W

Project: San Juan Basin - New Mexico Wells

Site: San Juan 28 Wells

Well: SJ 28-5 #73P

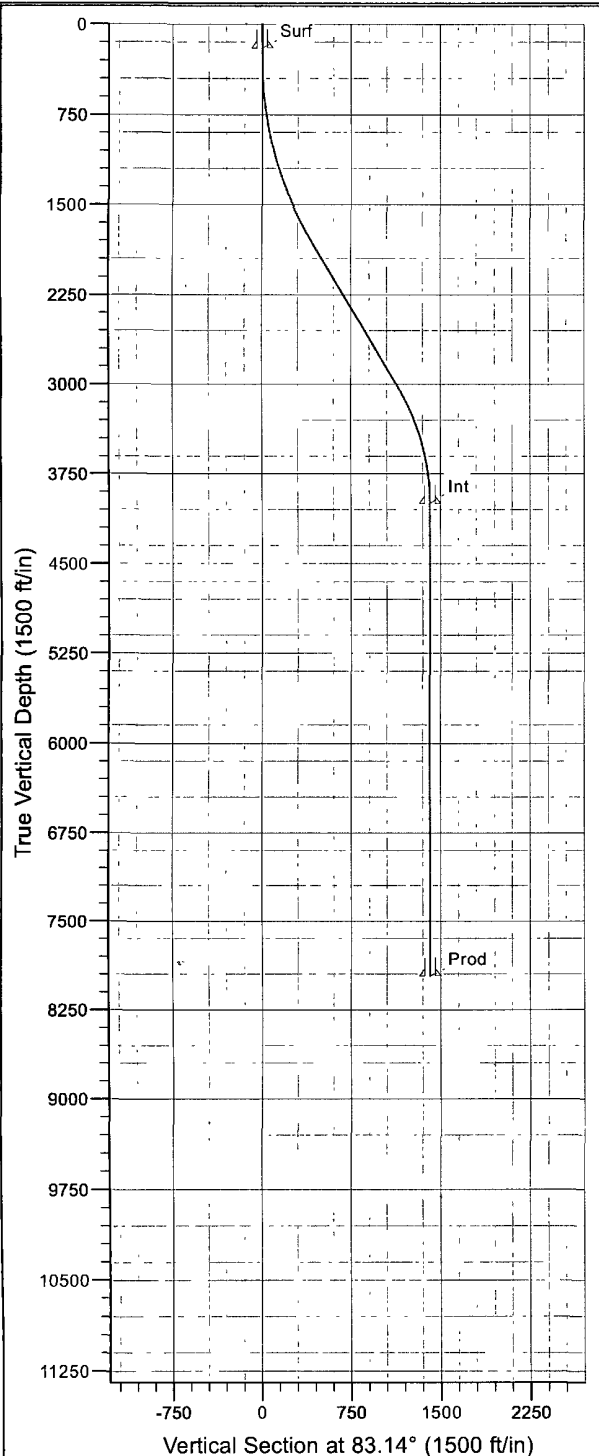
Wellbore: Principal Wellbore

Design: Plan #1



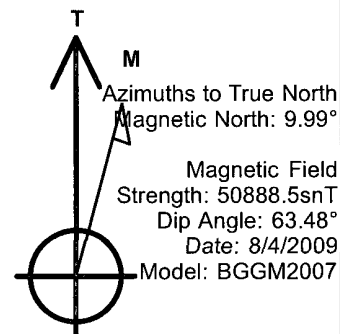
SECTION DETAILS

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	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1864.0	30.88	83.14	1790.4	48.5	403.2	2.00	83.14	406.1	
4	3296.5	30.88	83.14	3019.8	136.4	1133.2	0.00	0.00	1141.3	
5	4325.9	0.00	0.00	4000.0	168.7	1402.0	3.00	180.00	1412.1	SJ 28-5 #73P - ICP
6	8291.9	0.00	0.00	7966.0	168.7	1402.0	0.00	0.00	1412.1	SJ 28-5 #73P - PCP



FORMATION TOP DETAILS

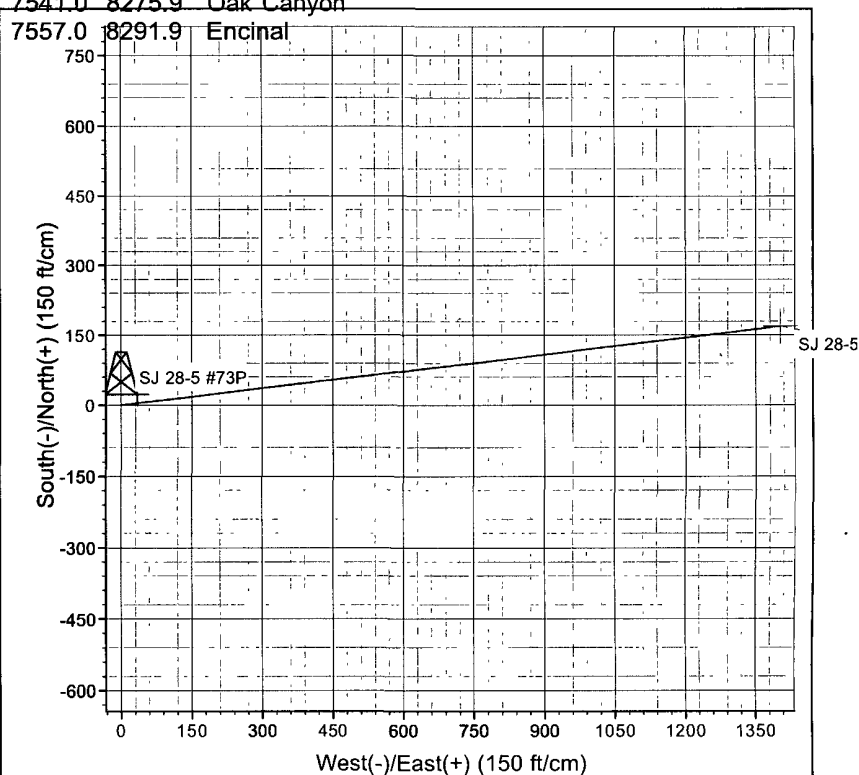
TVDPath	MDPath	Formation
1287.0	1755.3	Nacimiento
2488.0	3153.5	Ojo Alamo
2657.0	3349.9	Kirtland
2753.0	3458.3	Fruitland
3145.0	3875.7	Pictured Cliffs
3227.0	3959.6	Lewis
3735.0	4469.9	Huerf. Bent.
4102.0	4836.9	Chacra
4690.0	5424.9	Upper Cliff House
4809.0	5543.9	Massive Cliffhouse
4956.0	5690.9	Menefee
5294.0	6028.9	Pt. Lookout
5829.0	6563.9	Mancos Shale
6466.0	7200.9	Gallup
7221.0	7955.9	Greenhorn
7285.0	8019.9	Graneros
7329.0	8063.9	Two Wells
7407.0	8141.9	Paguate
7427.0	8161.9	Upper Cubero
7474.0	8208.9	Lower Cubero
7541.0	8275.9	Oak Canyon
7557.0	8291.9	Encinal



RCVD OCT 16 '09

OIL CONS. DIV.

DIST. 3

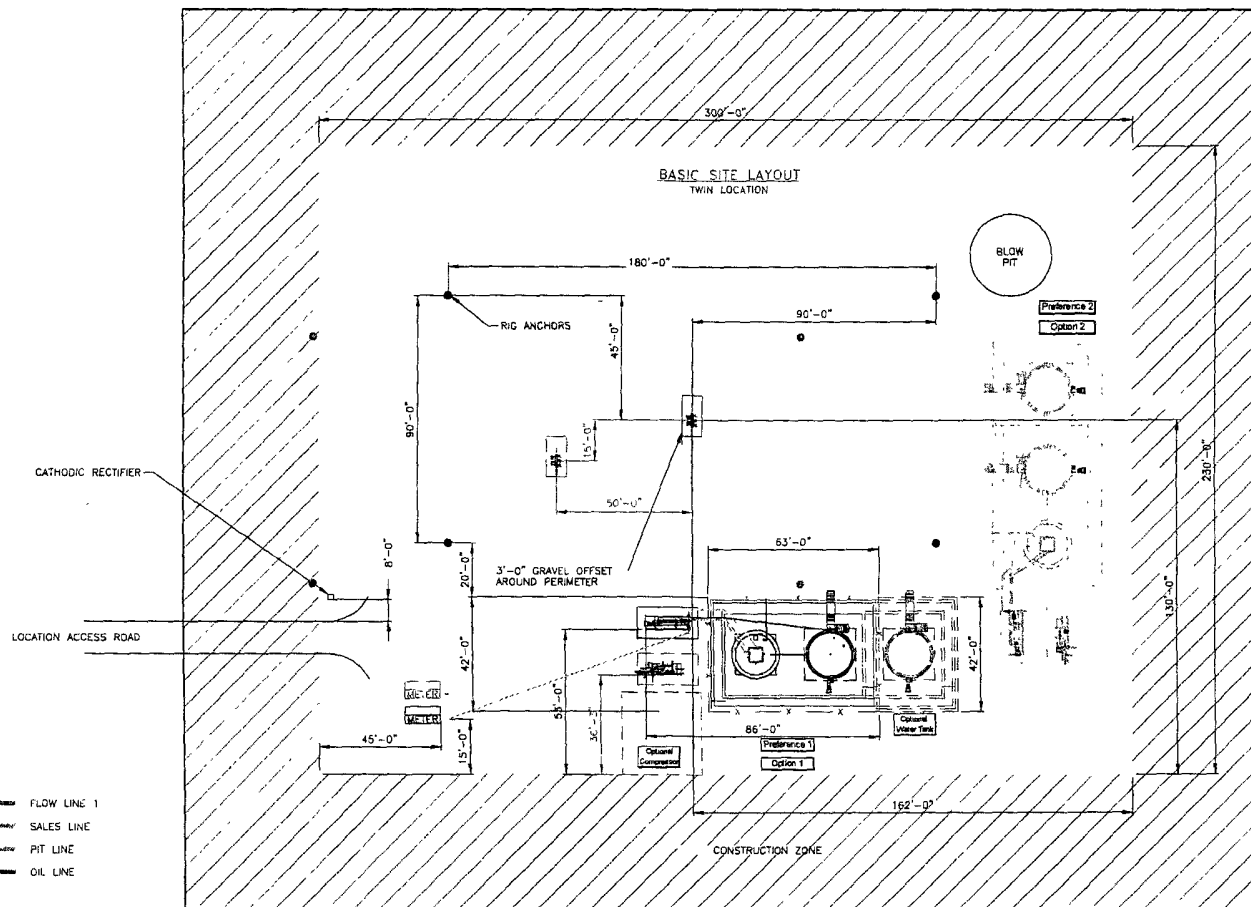


ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #73P
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6698.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6698.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #73P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,543.9	5,218.0	Massive Cliffhouse		0.00		
3,349.9	3,066.0	Kirtland		0.00		
3,458.3	3,162.0	Fruitland		0.00		
1,755.3	1,696.0	Nacimiento		0.00		
6,563.9	6,238.0	Mancos Shale		0.00		
6,028.9	5,703.0	Pt. Lookout		0.00		
5,424.9	5,099.0	Upper Cliff House		0.00		
7,955.9	7,630.0	Greenhorn		0.00		
7,200.9	6,875.0	Gallup		0.00		
8,161.9	7,836.0	Upper Cubero		0.00		
8,275.9	7,950.0	Oak Canyon		0.00		
8,019.9	7,694.0	Graneros		0.00		
4,469.9	4,144.0	Huerf. Bent.		0.00		
8,063.9	7,738.0	Two Wells		0.00		
8,141.9	7,816.0	Paguate		0.00		
3,153.5	2,897.0	Ojo Alamo		0.00		
3,959.6	3,636.0	Lewis		0.00		
4,836.9	4,511.0	Chacra		0.00		
3,875.7	3,554.0	Pictured Cliffs		0.00		
5,690.9	5,365.0	Menefee		0.00		
8,208.9	7,883.0	Lower Cubero		0.00		



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

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS				CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
DISCIPLINE			REMOVED		DATE		NO.	DESCRIPTION									
PROCESS										SAN JUAN BUSINESS UNIT		CLIENT NO.		CLIENT APPR.		APPR. DATE	
MECHANICAL																	
PIPING																	
ELECTRICAL																	
I & C																	
CIVIL/STRUCTURAL																	
PROJECT										HP3PHASE-REV1		SHEET NO. 1 OF 5					

h:\hess\3\gas\PRD\calk\Andrew\Regulatory\Twin Location Site Layout.dwg 06/28/2007 - 02:39pm

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-5 UNIT 73P
1900' FSL & 2090' FEL,
Section 35, T28N, R5W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 36' 53.27" N
Longitude: 107° 19' 36.65" W
Nad 1983

From the Post Office in Blanco, NM
Take Highway 64 East for 27.6 miles,
To mile post 101.1,
turn right (southerly) for 1.1 miles,
turn left (southeasterly) for 1.9 miles,
turn right (south) for 4.1 miles on Arnorld Ranch Road,
turn right (southerly) 0.2 miles,
to beginning of new access on left side of road and
continues for 120.3' to the newly staked location.