UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	DEEPEN, OR PLUG BACK
Type of Work DRILL RECEIVED	5. Lease Number SF-078972 Unit Reporting Number
Type of Well GAS	NM NM ~7 8 413 C DK NMNM *7 8 413 A - A 6. If Indian, All. or Tribe
Operator	7. Unit Agreement Name
Conoco Phillips	San Juan 28-7 Unit
Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name
(505) 326-9700	9. Well Number #157G
Location of Well (386 14/0 SURF: Unit K(NESW), 1840' FSL & 2004' FWL BH: Unit J(NWSE) 2100' FSL & 2300' FEL	10. Field, Pool, Wildcat Basin DK/Blanco MV
SURF:Latitude 36° 35'13.10906 N	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 11, T27N, R7W
SURF:Longitude 107° 32'42.71690 W BH:Latitude 36° 35' 17.12500 N BH:Longitude 107° 32' 30.95200 W	API# 30-039-30134
Distance in Miles from Nearest Town 55 miles/Bloomfield	12. County 13. State Rio Arriba NM
	ease Line
Acres in Lease	17. Acres Assigned to Well DK & MV - 320.0 E/2
Distance from Proposed Location to Nearest Well, Drlg, Co	empl, or Applied for on this Lease
Proposed Depth 7685'	20. Rotary or Cable Tools Rotary
Elevations (DF, FT, GR, Etc.) 6576.8' GL	22. Approx. Date Work will Start
Proposed Casing and Cementing Program See Operations Plan attached	
Authorized by Shonela Pages Rhonda Rogers (Regulatory Technic	/ 10-5-06 Date
OVED BY MINOUS LEY TITLE AC	VAL DATE O 1907
	Type of Work DRILL RECEIVED 070 FARMINGTON NM Type of Well GAS Operator Conoco Phillips Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 Location of Well GY SURF: Unit K(NESW), 1840' FSL & 2004' FWL BH: Unit J(NWSE) 3100' FSL & 2004' FWL SURF: Longitude 360' 35' 13.10906 N SURF: Longitude 1070' 32' 42.71690 W BH: Latitude 360' 35' 17.12500 N BH: Longitude 1070' 32' 30.95200 W Distance in Miles from Nearest Town 55 miles/Bloomfield Distance from Proposed Location to Nearest Property or L 1840' Acres in Lease Distance from Proposed Location to Nearest Well, Drig, Co Proposed Depth 7685' Elevations (DF, FT, GR, Etc.) 6576.8' GL Proposed Casing and Cementing Program See Operations Plan attached Authorized by Rhonda Rogers (Regulatory Technic

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 CEMENT'

States any false, fictitious or fraudulent statements or presentations as to any department or agency of the United CEMENT' States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

> DRILLAS OF MAKENCE WITH AT AUR SUBJECT TO COMPLIANCE WITH AT AUR "GENERAL REQUIREMENTS". OCT 1 8 2007 NMOCD

This action is subject to technical and procedural review pursuant to 43 CFR 3165 3 and appeal pursuant to 43 CFR 3165 4

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

· 1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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 2017 AUG 23 PM State Lease - 3 Copies
4: 01

District IV								. 7	r U j
1220 S. St. Franc	is Dr., Santa l	Fe, NM 8750	5			•	212 =	RECEIVED !	AMMENDED REPORT
			WEI	LL LOCA	ATION AND	ACREAGE DE	EDICATION PI	BINED , LATUIGION N	
1	API Number	10()	2	Pool Code			3 Po	ol Name	7
30-0	39- 3 C	HCK	723	19/715	599		DAKOTA	MESAVERDE	
⁴ Property Co	de				⁵ Property	Name			6 Well Number
31739	1				SAN JUAN	28-7 UNIT)	157G
OGRID N	ło.				8 Operator	Name			9 Elevation
217817				, (CONOCOPHILL	IPS COMPANY		ĺ	6643
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	10 SURFACE I	OCATION			
L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	11	27-N	7-W		1380	SOUTH	1410	WEST	RIO ARRIBA
			11 E	ottom H	ole Location I	f Different Fro	m Surface		
L or lot no.	Section	Township							County
J	11	27-N	7-W		1590	SOUTH	2400	EAST ⁻	RIO ARRIBA
Dedicated Acre 320E/		or Infill	Consolidation	Code 13	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

16					OPERATOR CERTIFICATION I hereby certify that the information constitued herein is true and
1					complete to the best of my browledge and belief, and that this organisation either owns a working interest or unleased mineral
					instrest 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 awner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered
]					by the division
					Thoras locers
					Signature
}					Rhonda Rogers
1			E/2 DEDICATE SF-07		Title and E-mail Address
€			SECTIO		8-22-07
5218.0′			T-27-N,	R-7-W	Date
82					18 SURVEYOR CERTIFICATION
w			BOTTOM HOLE	· ·	I hereby certify that the well location shown on this plat was plotted from feild notes of actual surveys made by
WELL FLA NAD 8 LAT: 36.585682*	_		NAD 83 LAT: 36,586360° N		me or under my supervision, and that the same is true and correct to the best of my bellef.
	N		LONG: 107.54284		
z LONG: 107.547874° I			NAD 27 LAT:36°35.181100	· N	Date of Survey: 7/17/07 Signature and Sect of Prefessional Surveyor:
LAT:36"35.140383"			LONG: 107°32.534	• •	BAGADHUA
LONG: 107°32.836044' I	~		1	2400'	ALL ME WAY
3 1410'					Signature and Seet of Photographical Surveyor:
j.	•]				18 mm
2608.3	1		, i		
	9		290,		131 70/31
u a	1380		 2		Moressout
1.44,28					MONESTY
		N 88'23'46" E	5292 0' (M)		
Z		S 88'34'00" W	5292.0' (M) 5295.8' (R)		Certificate Number: NM 11393

*Submit 3 Copies To Appropriate District	State of New Mexico		
Office District I	Energy, Minerals and Natural Resou	TTOO.	Form C-103 May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	energy, wither als and Natural Resor	WELL API NO.	2418(
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVIS		-039- 56157
District III	1220 South St. Francis Dr.	STATE	FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM 875		SF-078972	
•	CES AND REPORTS ON WELLS S TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name	
DIFFERENT RESERVOIR. USE "APPLICATION OF THE PROPERTY OF THE P	ON FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 28-7 Un	it
PROPOSALS.) 1. Type of Well:		8. Well Number	
Oil Well Gas Well X	Other	157G	
2. Name of Operator	ConocoPhillips	9. OGRID Number 217817	
3. Address of Operator	Conocor minps	10. Pool name or Wildcat	
4. Well Location	REET, FARMINGTON, NM 87402	Basin DK/Blanco N	1V
I .	1840 feet from the South line a	and 2004 feet from the	West line
Section 11	Township 27N Rng Elevation (Show whether DR, RKB, RT, GR, ed	7W NMPM Cou	nty Rio Arriba
	6576.8	<i>c.</i>)	
Pit or Below-grade Tank Application	or Closure		
Pit type New Drill Depth to Grounds			<1000'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material	
		ature of Notice, Report or Other Data	5 F.
PERFORM REMEDIAL WORK	NTENTION TO: PLUG AND ABANDON REI	SUBSEQUENT REPORT (JF: ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS CO	MMENCE DRILLING OPNS.	P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CAS	SING/CEMENT JOB	
		HER:	
		s, and give pertinent dates, including estimated date s: Attach wellbore diagram of proposed completion	
or recompletion.	s). SEE ROLE 1103. For Multiple Completions	s. Attach wendore diagram of proposed completion	
•			
New Drill, Lined:			
New Diffi, Effect.			
	•	pit. Based on Burlington's interpretation of the Eco	
		rilling / Workover Pit Construction / Operation Proc ned to manage fluids and that portion will be lined a:	
		ng / Workover Pit Closure Procedure dated August 2	
NMOCD office.			
			1
		rledge and belief. I further certify that any pit or below- nit X or an (attached) alternative OCD-approved plan	П
Rivare fally was neem will he collistracted of Clos	guidenines, a general peri	one [25] or an (attached) after native OCD-approved plan	
SIGNATURE Shond	TITLE	Regulatory Assistant	_ date <u> </u>
, , , <u> </u>	da Rogers D E-mail address: rhono	da.s.rogers@conocophillips.com Telephone No.	505-599-4018
For State Use Only	a D	enuty Oil & Gas Inspector	OOT 1 - 000=

APPPROVED BY
Conditions of Approval (if any):

Deputy Oil & Gas Inspector, District #3

OCT 1 8 2007

submitted in lieu of Form 3160-5

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Sundry Notices and Reports on Wellam AUS 23 PM 4: 01		
	RECEIVED	5.	Lease Number SF-078972
1.	Type of Well 210 FARMINGTON HM GAS	6.	If Indian, All. or Tribe Name
2.	Name of Operator	7.	Unit Agreement Name San Juan 28-7 Unit
	ConocoPhillips	0	Wall Name O Name had
3.	Address & Phone No. of Operator	 8.	Well Name & Number
	PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	San Juan 28-7 Unit 1570 API Well No.
4.	Location of Well, Footage, Sec., T, R, M		30-039- 30 134
~	rf: Unit K (NESW), 1380' FSL & 1410' FWL, Section 11, T27N, R7W, NMPM	10.	Field and Pool
12.	Subsequent ReportPluggingNon-Routine Fracturing Casing Repair Water Shut off	ther – move l	•
	Final Abandonment Altering Casing Conversion to Injection		DIST. 3
	13. Describe Proposed or Completed Operations ConocoPhillips wants to move this location from Surface of 1840' FSL & 2004 FWL, B Surf: 1380' FSL & 1410' FWL, BH: 1590' FSL & 2400' FEL. Attached are a new C-102 (plat), Direction drill plan and survey, cut & fill, TOPO	r	
14. Sig	I hereby certify that the foregoing is true and correct. Rhonda Rogers Title Regulator	y Technic	ian Date <u>8/23/07</u>
API CO	is space for Federal or State of the use PROVED BY		Date 10/15/07



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 157G

DEVELOPMENT

Lease:				AF	E #: WA	N.CNV.	7161		AFE \$:	The second
Field Name: 28-7	7		Rig: A	ztec Rig 730			State: NM C	County: RIO ARRIBA	API #:	
Geologist:			Phone	:		Geoph	nysicist:		Phone:	· 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Geoscientist: R	iley, Bro	ok	Phone	+1 505-324-6	5108	Prod.	Engineer: Fonte	not, Jessie C	Phone: +1	832-486-3483
Res. Engineer: M	lcKee, C	ory J		: 505-326-982		Proj. F	Field Lead: Frans	en, Eric E.	Phone:	議造制
Primary Object	ive (Zo	nes):			4.4					
Zone	Zone I	· · · · · · · · · · · · · · · · · · ·								4.7%
R20002	 	/ERDE(R20002)	<u> </u>							, ,
R20076	DAKOT	A(R20076)								L. G. W
										3
Location: Surface	ce	Datum Co	de; NA	D 27					Devia	ated
Latitude: 36.5856	571	Longitude: -107.5	47264	X:		Y:		Section: 11	Range	e: 007W
Footage X: 1410	FWL	Footage Y: 1380 F	SL	Elevation: 664	3	(FT)	Township: 027N			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Tolerance:						·	<u> </u>			
Location: Botton	m Hole	Datum Co	de: NA	D 27					Devia	ated
Latitude: 36.5863	351	Longitude: -107.5	12244	X:		Y:	Y	Section: 11	Range	e: ,007W
Footage X: 2400		Footage Y: 1590 F		Elevation:			Township: 027N			\$16.51
Tolerance:				· · · · · · · · · · · · · · · · · · ·		`	<u></u>			4 1
Location Type: Ye	ear Rou	nd	Start D	Date (Est.): 1/1,	/2007	Con	npletion Date:	Date In	Operation:	
Formation Data:	Assun	ne KB = 6659	Units =	FT						11.
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		Remarks		
Surface Casing		216	6443				Severe lost circul	lation is possible. 13-	1/2" or 12 1	/4" Hole. 9
				_			5/8", 32.3 ppf, H Circulate cement	I-40, STČ casing. Cen	nent with 20	3 cu.ft
OJAM		2426	4233	Π			Possible water fle			# 1
KRLD		2593	4066	ă						p d d
FRLD		2869	3790				Possible gas			4
PCCF		3232	3427							à., t
LEWS		3392	3267							
Intermediate Casin	ıg	4000	2659				8 3/4 hole. 7", 2 Circulate cement	20 ppf, J-55 STC Csg,	cement with	960 cuft.
CHRA		4198	2461				Circulate Cerrient	. to surface.		· '
CLFH		4911	1748		416		Gas; possibly we	t		- ;
MENF		5023	1636				Gas			
PTLK		5481	1178				Gas			:
MNCS		5882	777							
GLLP		6653	6							1.
GRHN		7406	-747				Gas possible, hig	hly fractured		
GRANEROS		7470	-811							#
TWLS		7495	-836				Gas			
PAGU		7597	-938							
CBBO		7634	-975				Gas			
CBRL		7667	-1008							4 3 4 - 3 - 3 1
ENCINAL		7734	-1075				TD T/ENCN	•		* 2 * 21

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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7	UNIT 157G				DEVELOPMENT		_
Total Depth	77	734 -1075		1100	Cement with 510 cu.ft.	LTC, and 10.5 ppf, J-55, Circulate cement a mini ing string. No open hole	mum of 100'
Reference Wells							
Reference Type	Well Name	C	omments				
							(
Logging Progran	1:		19-19-19-19-19-19-19-19-19-19-19-19-19-1				11,000,000,000,000
Intermediate Logs:	Log only if sho	ow GR/ILD	Triple Con	nbo			
TD Logs:	☐ Triple Combo	☐ Dipmeter [] RFT [] S	onic 🗌 VSP	☐ TDT ☑ Other	•	
	GR_CBL						
Additional Informa	tion:		,				
Log Type	Stage	From (Ft)	To (Ft)	Tool	Type/Name	Remarks	
Comments: Location/Tops/Logging - ACEC - Move surf to twin the #107. See Zones tab for comments. MVNM027N007W11SE2 DK 27N07W11SE2 Zones - ACEC - Move location to twin the #107. Will increase the directional kick from ~950 to ~1,400'. Surface is in Unit Itr K, BHL is in J. Locations were Final - surface will move to the above twin location. MVNM027N007W11SE2 DK 27N07W11SE2							
	104/ 105 11/	00.100.17.1.17	.				and an order
Genera	II/Work Description	- 8U/8U Kd/Kmv -	Directional W	eii			

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ConocoPhillips or its affiliates

Survey Report

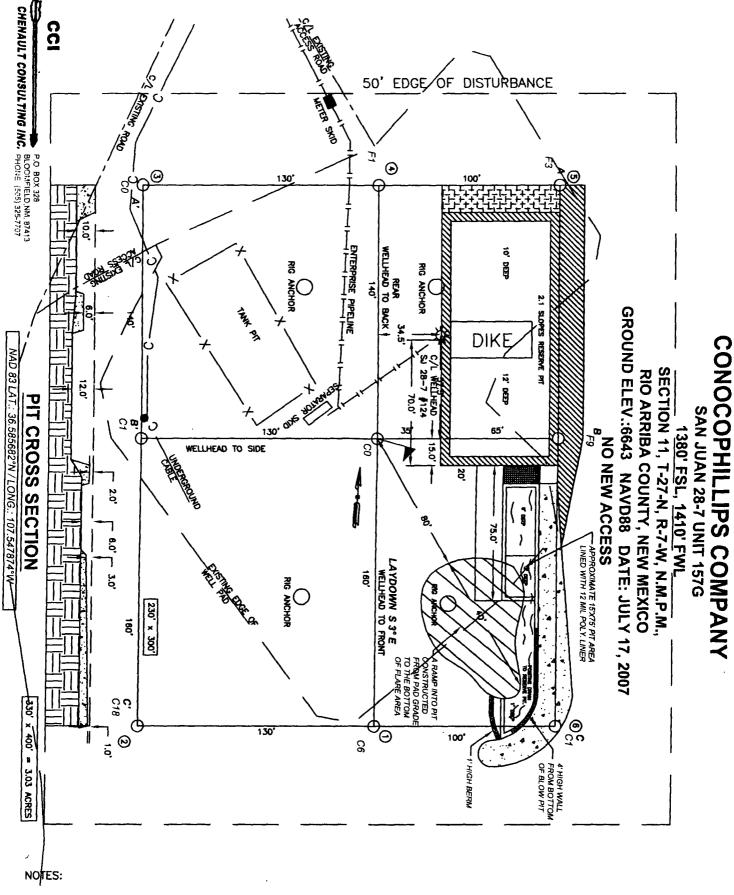
The state of the state of beautiful properties and the state of the st	The state of the s
Company: ConocoPhillips Lower 48	Local Co-ordinate Reference: Well SJ 28-7-#157G
Project: San Juan Basin	TVD Reference: WELL @ 6658 0ft (Original Well Elev)
Site: Monty's Site for directional MV/DK wells	MD Reference: WELL @ 6658.0ft (Original Well Elev)
Well: SJ 28-7 #157G	North Reference: True:
Wellbore: SJ 28-7 #157G	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: EDM Central Planning
	tel designation of the control of th
Planned Survey	A PROPERTY OF THE PROPERTY OF

185	Controlled a Control, to the Analysis and Controlled the Control	manager and an artist control of the	化物效 依然 (2007) 多小为小为多种的	don warrana ar makenin	Sanday at the Start See Store See Store	ACTOR STATE OF A TOWNSHIP	watership's rate allowants	GARAGE TO COMBAZE COM A SALOS IN THE	William to the state of the state out	a political of the state of the
F	Planned Survey	e it washing by	English Stage	글 살 됐네		The same to the	4.5 ⁵ 1.276 1577	影響樂の概念主要		N. F. S.
- 13							àine ben			CANDARA SELECTION
	Measured	101 AV 199	Ve	rtical	100	- V	ertical	Dogleg	Build	Turn
3	Depth Inclin	ation Azir	nuth D	epth 💮	+N/-S	+E/-W S	ection	Rate	Rate	Rate
趸	是在1995年2000年2000年,1995年2月1日本中,1995年2月1日末日末日末日末日末日末日末日末日末日末日末日末日末日末日末日末日末日末日末	1 1/2 mg 20 1 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2		(ft)		29-7-20-48-70-18-65		1 30 24 16 TO SEE 1 10 10 10 1	MALLY 2 经经济 2 2016年15日	d/100ft)
3.4		0 - (d),	(1)	. (rr)	.* (ft)	(ft)	(d/100ft) (c	l/100ft) (with the second
}**	0.000.0	0.00	0.00	7 704 0	240.0	A ATO O	A A D A C		adirecti dimenti e cre est	SEE M. D. S.
ı	8,039 2	0 00	0 00	7,734 0	210 0	1,470 0	1,484 9	0.00	0 00	0 00
	Encinal - TD - SJ 28-	7 #157G - PCP	r en significa		" " " " " " " " " " " " " " " " " " "	16 15 ST. 18	C 1 C 312 C		BETTE, WALLEY	美国 透纖 玩
- }			•	,	,	*	. , . , "	1.78 8 80 . 1 6 65 \$	C. M. C. C. C. C.	1 2 2 2 2 2 2 2 2 1 2 1 2 1 2 1 2 1 2 1
										* * * * 1

Targets Target Name : hit/miss target Di : Shape	and the second and second	ip Dir. (d)	TVD (n)	+N/-S R	+E/-W R	BALLER A GOOT AND STREET OF THE STREET OF STREET	ssting (m)	Latitude	_Longitude
SJ 28-7 #157G - ICP - plan hits target - Point	0.00	0 00	4,000 0	210.0	1,470.0	57.59	449.02	30° 59' 26.590" N	109° 25' 27, 206" W
SJ 28-7 #157G - PCP - plan hits target - Point	0 00	0 00	7,734.0	210.0	1,470.0	57 59	449.02	30° 59' 26.590" N	109° 25' 27 206" W

Formations ***	terne allen met stellernermens Konsepter ergelie och statistermes	organization and a substitute of the substitute	and the second with the proper and the large transfer and the second second second second second second second	ne . m. panem ensisted necession
Measured	Vertical		Dip	
Depth	Depth	Name	Lithology Dip Direction	
(m)	(ft)	ing in the contract of the con	(d) (d)	
2,623.8	2,426.0 Ojo Alamo		0.00	
2,808.4	2,593 0 Kırtland		0 00	· `-
3,113.7	2,869.0 Fruitland		0.00	
3,514 8	3,232.0 Pictured Cl	fs	0 00	n '
3,686 4	3,392.0 Lewis		0 00	
4,503.2	4,198.0 Chacra		0 00	,
5,216 2	4,911 0 Cliffhouse		0 00	, ,
5,328.2	5,023 0 Menefee		0.00	
5,786 2	5,481 0 Pt Lookout		0.00	
6,187.2	5,882 0 Mancos Sh	ile	0 00	
. 6,958 2	6,653.0 Gallup		0 00	* * ***
7,711 2	7,406 0 Greenhorn		0 00	, ,
7,775 2	7,470 0 Graneros		0.00	•
7,800 2	7,495.0 Two Wells		0 00	,
7,902 2	7,597.0 Paguate		0 00	
7,939 2	7,634.0 Upper Cube		0.00	
7,972 2	7,667.0 Lower Cube	ro	0.00	
8,039.2	7,734 0 Encinal		0 00	
8,039 2	7,734 0 TD		0 00	

Checked By:	Approved By:	Date	
Onconca by.	Approved by.	Date.	



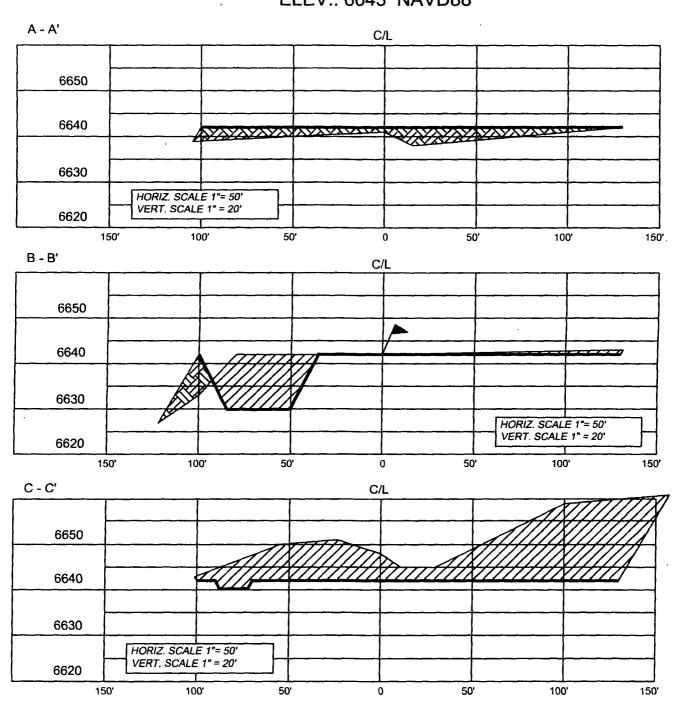
- 1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
- 2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

 PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT 157G 1380' FSL, 1410' FWL SECTION 11, T-27-N, R-7-W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO ELEV.: 6643 NAVD88



NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

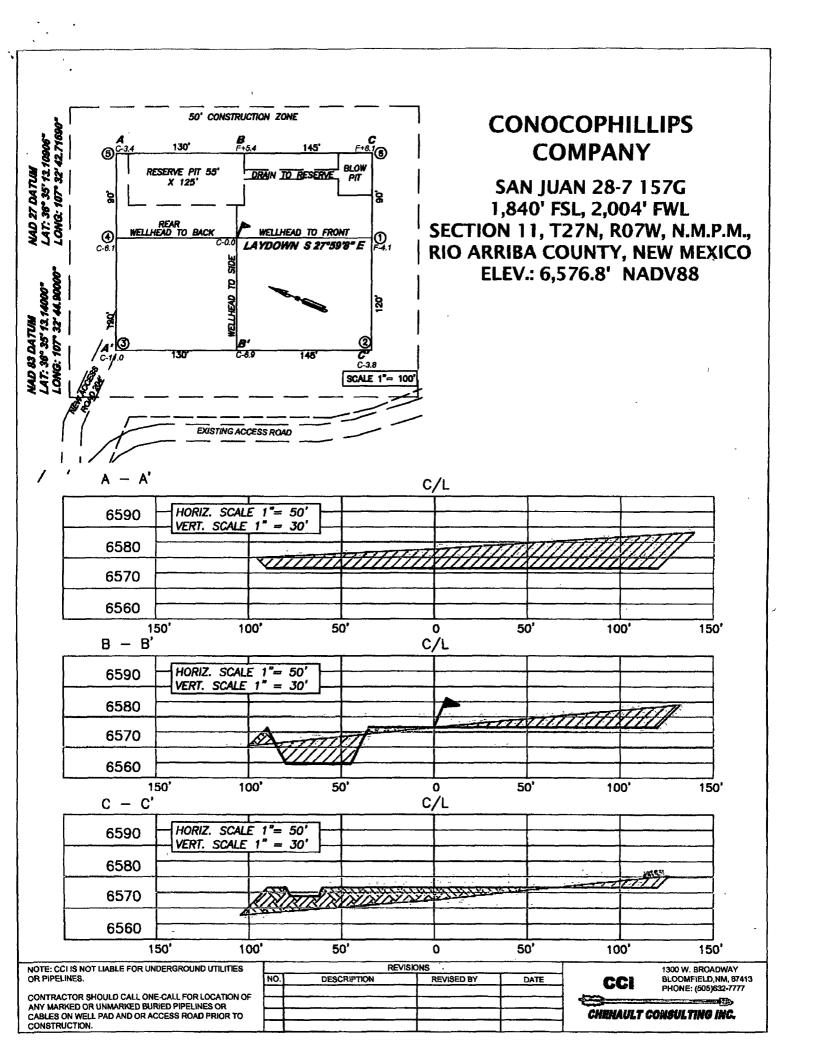
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

REVISIONS			
NO.	DESCRIPTION	REVISED BY	DATE
1	ISSUE FOR REVIEW	L.H.	7/17/07
			I

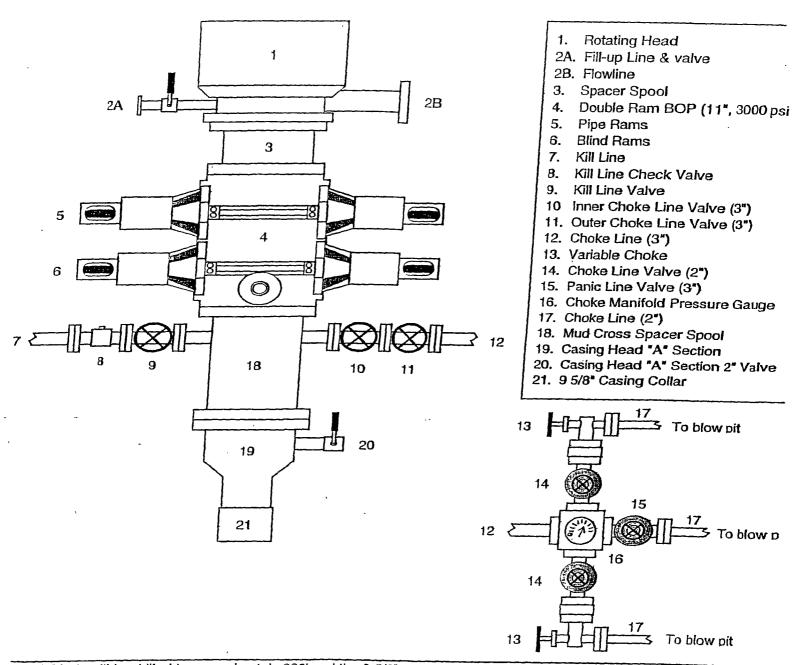


P.O. BOX 328 BLOOMFIELD,NM, 87413 PHONE: (505)325-7707

CHENAULT CONSULTING INC.



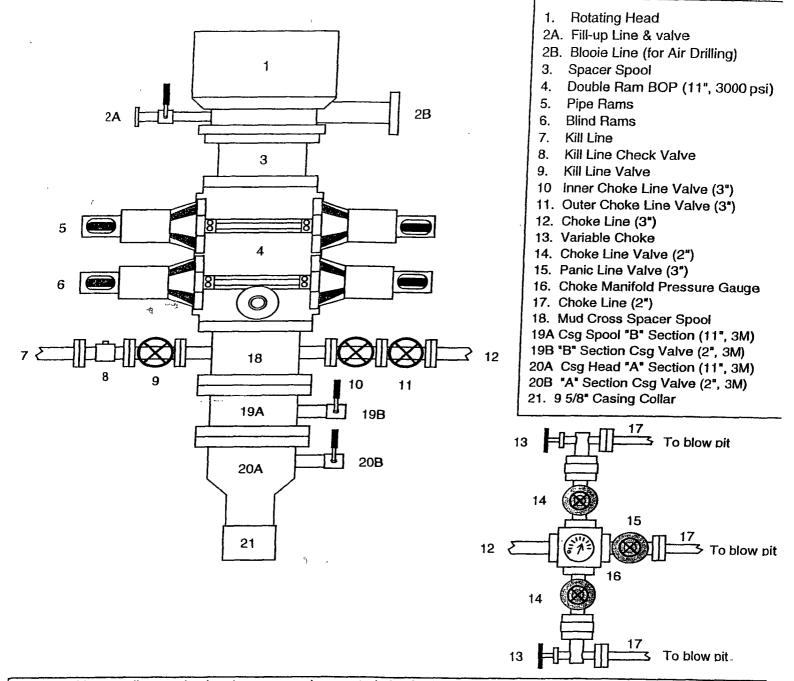
BLOWOUT PREVENTER ARRANGEMENT & PROGRAM For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing



12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. As the plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure it) for 10 minutes and to 1000 psi (high pressure test) for 10 minutes. Then the test plug will be removed, and the 9-5/8" sing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1000 psi for 30 nutes (this value is one 44% of the minimum internal yield pressure of the 9-5/8" casing). (Note: per regulatory uirements we will wait on cement at least 8 hrs after placement before testing the 9-5/8" surface casing). Then an 8-3/4" will be drilled to intermediate casing point and 7" intermediate casing will be run and cemented.

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to TD and Setting 4.5 inch Casing



After the 7" intermediate casing has been run and cemented, the Casing Spool ("B" Section) will be installed on the wellhead ("A" Section) and the BOP will be installed on the Casing Spool. A test plug will be set in the wellhead and the pipe rams, blind rams, and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 3000 psi (high pressure test) for 10 minutes. Then the test plug will be removed and the 7" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1800 psi for 30 minutes - this test pressure is 48% of the minimum internal yield strength of 3740 psi for the 7", 20#, J-55, STC casing. Then we will air drill the 6-1/4" hole to TD and run and cement the 4-1/2" casing.

In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. Upper Kelly cock Valve with handle
- 2. Stab-in TIW valve for all drillstrings in use