

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 09 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080854 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name <i>MV-NMNM78424A</i> <i>DK-Needs 4 CA</i> San Juan 32-8 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 15N	
4. Location of Well Surf: Unit L (NWSW), 1375' FSL & 836' FWL BHL: Unit K (NESW), 1905' FSL, 1905' FWL Surf: Latitude: 36.879630° N (NAD83) Longitude: 107.633221° W BHL: Latitude: 36.881081° N (NAD83) Longitude: 107.629593° W	10. Field, Pool, Wildcat Basin DK / Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) 1 Sec. 24, T31N, R8W API # 30-045-35170	
14. Distance in Miles from Nearest Town 29.6 miles from Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 836'	17. Acres Assigned to Well 310.26 - W/2	
16. Acres in Lease 952.760	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 73.6' from SJ 32-8 Unit 220 - FC	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
19. Proposed Depth 7980'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6460' GL	24. Authorized by: <i>Dollie L. Busse</i> Dollie L. Busse (Staff Regulatory Technician) Date <i>June 7, 2010</i>	

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 ES-0048 and ES-0085

JUL 06 2010

for Directional Survey
and "As Drilled" plat

CMOCD

NOTICE: APPROVAL OR ACCEPTANCE OF THIS
FORM DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS.

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

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

Submitted to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

JUN 09 2010

Bureau of Land Management
Farmington Field Office☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35170		² Pool Code 71599 / 72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
⁴ Property Code 31330		⁵ Property Name SAN JUAN 32-8 UNIT			⁶ Well Number 15N
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6460

¹⁰ SURFACE LOCATION

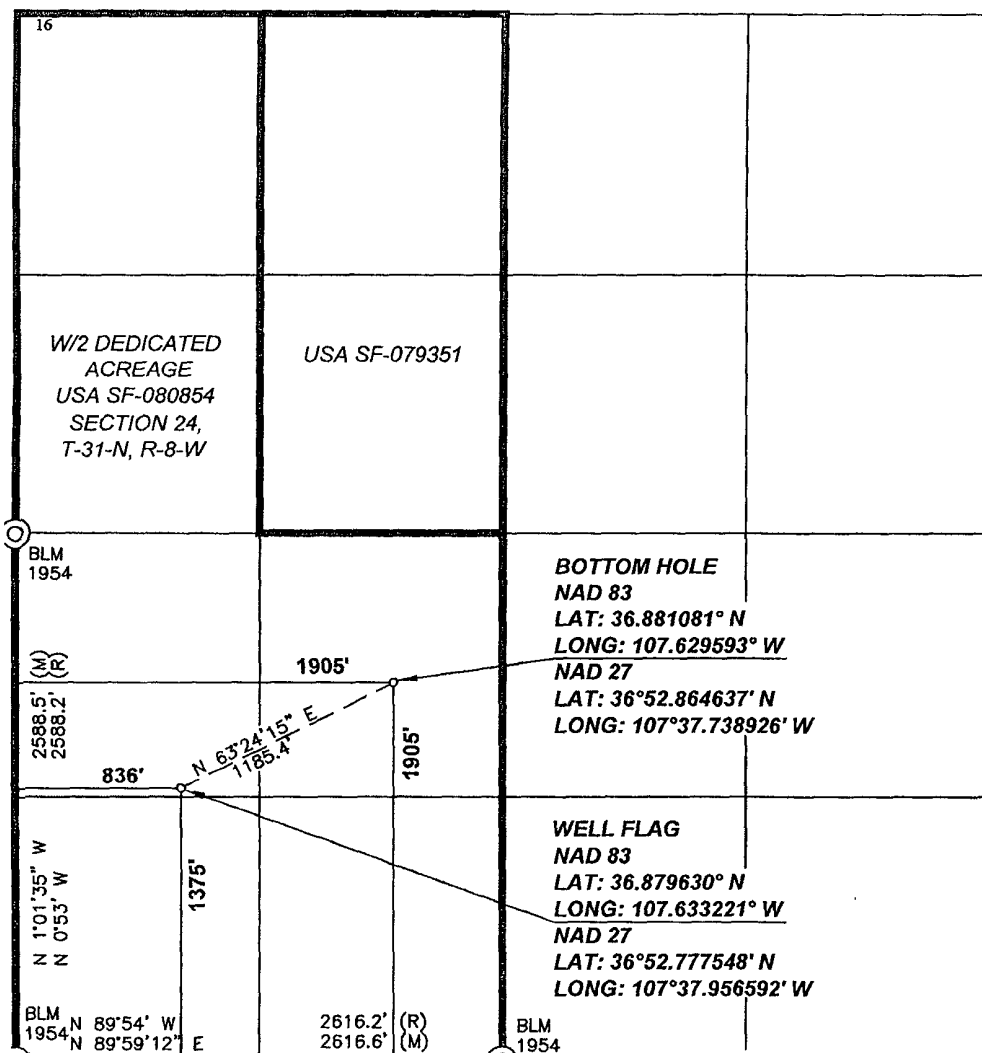
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	24	31-N	8-W		1375	SOUTH	836	WEST	SAN JUAN

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
K	24	31-N	8-W		1905	SOUTH	1905	WEST	SAN JUAN

¹² Dedicated Acres 310.26 (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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Crystal Tafoya 5/22/09
Signature

Crystal Tafoya
Printed Name

Regulatory Technician
Title and E-mail Address

May 22, 2009
Date

May 22, 2009
Date

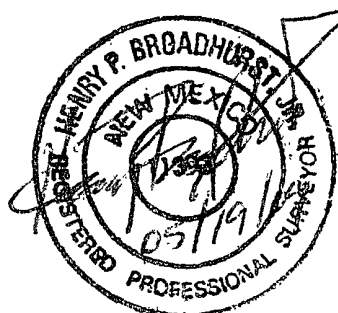
May 22, 2009
Date

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: 5/6/09

Signature and Seal of Professional Surveyor:



Certificate Number: NM 44707

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 15N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9040				AFE \$: 860,992.69	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		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: 36.879625	Longitude: -107.632610	X:	Y:	Section: 24	Range: 008W		
Footage X: 836 FWL	Footage Y: 1375 FSL	Elevation: 6460	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.881076	Longitude: -107.628982	X:	Y:	Section: 24	Range: 008W		
Footage X: 1905 FWL	Footage Y: 1905 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6475 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6275	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	822	5653	☐				
OJO ALAMO	2238	4237	☐				
KIRTLAND	2352	4123	☐				
FRUITLAND	2896	3579	☐			Possible Gas	
PICTURED CLIFFS	3401	3074	☐				
LEWIS	3460	3015	☐				
Intermediate Casing	3760	2715	☐		125	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 911 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4129	2346	☐				
CHACRA	4511	1964	☐				
UPPER CLIFF HOUSE	4965	1510	☐			Gas; Est. Top Perf - 4967 (1508)	
MASSIVE CLIFF HOUSE	5302	1173	☐	470		Gas; Cliffhouse is dry	
MENEFEE	5358	1117	☐				
POINT LOOKOUT	5658	817	☐				
MANCOS	6047	428	☐				
UPPER GALLUP	6951	-476	☐				
GREENHORN	7691	-1216	☐				
GRANEROS	7743	-1268	☐				
TWO WELLS	7842	-1367	☐	3428		Gas	
PAGUATE	7868	-1393	☐				
UPPER CUBERO	7883	-1408	☐				
LOWER CUBERO	7912	-1437	☐			Est. Btm Perf - 7965 (- 1490) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 15N

DEVELOPMENT

ENCINAL	7980	-1505	☐	TD - T/ENCN
Total Depth	7980	-1505	☐	226 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 575 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Lewis Park 1	31N 8W 13 NW SE SE
Production	SJ 32-8 35	31N 8W 13 SW SW
Production	SJ 32-8 30M	31N 8W 14 NE SW SE
Production	SJ 32-8 15M	31N 8W 24 NW SE NW

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 GLLP to TD - mudlogger will call 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 32-8 #15N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6475.0ft (AWS rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6475.0ft (AWS rigs)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-8 #15N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
200.0	200.0	9 5/8"	9-5/8	12-1/4	
4,046.7	3,760.0	7"	7	8-3/4	
8,266.7	7,980.0	4 1/2"	4-1/2	6-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,588.7	5,302.0	Massive Cliff House		0.00		
8,128.7	7,842.0	Two Wells		0.00		
8,198.7	7,912.0	Lower Cubero		0.00		
3,180.5	2,896.0	Fruitland		0.00		
5,644.7	5,358.0	Menefee		0.00		
5,944.7	5,658.0	Point Lookout		0.00		
6,333.7	6,047.0	Mancos		0.00		
4,415.7	4,129.0	Huerfano Bentonite		0.00		
8,029.7	7,743.0	Graneros		0.00		
5,251.7	4,965.0	Upper Cliff House		0.00		
3,746.7	3,460.0	Lewis		0.00		
8,154.7	7,868.0	Paguate		0.00		
8,169.7	7,883.0	Upper Cubero		0.00		
3,687.7	3,401.0	Pictured Cliffs		0.00		
4,797.7	4,511.0	Chacra		0.00		
2,583.1	2,352.0	Kirtland		0.00		
8,266.7	7,980.0	Encinal		0.00		
7,977.7	7,691.0	Greenhorn		0.00		
828.0	822.0	Nacimiento		0.00		
7,237.7	6,951.0	Upper Gallup		0.00		
2,449.4	2,238.0	Ojo Alamo		0.00		

REFERENCE INFORMATION

RKB @ 6475.0ft (AWS rigs)
Ground Elevation 6460.0
Reference Lat: 36° 52' 46.653 N
Reference Long: 107° 37' 57.396 W

Project: San Juan Basin - New Mexico Well
Site: San Juan 32 Wells
Well: SJ 32-8 #15N
Wellbore: Principal Wellbore
Design: Plan #1

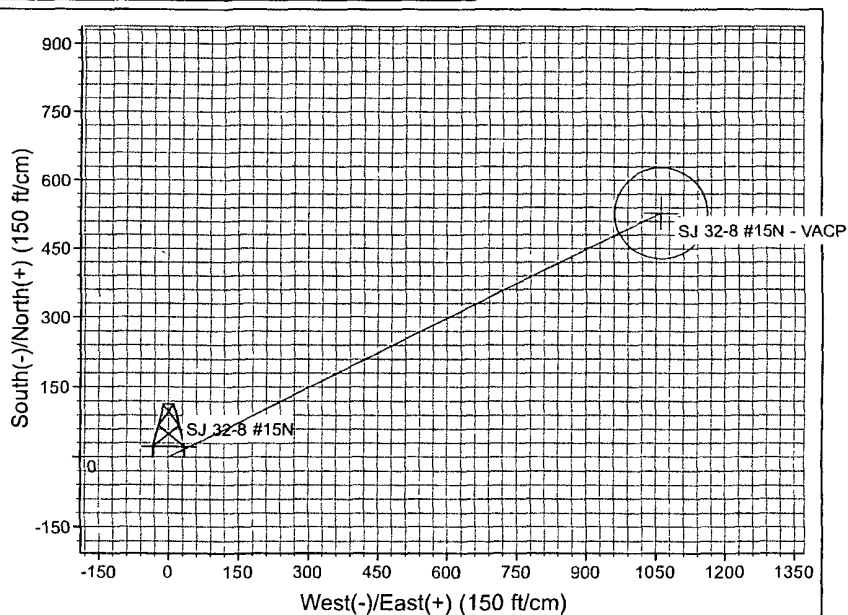
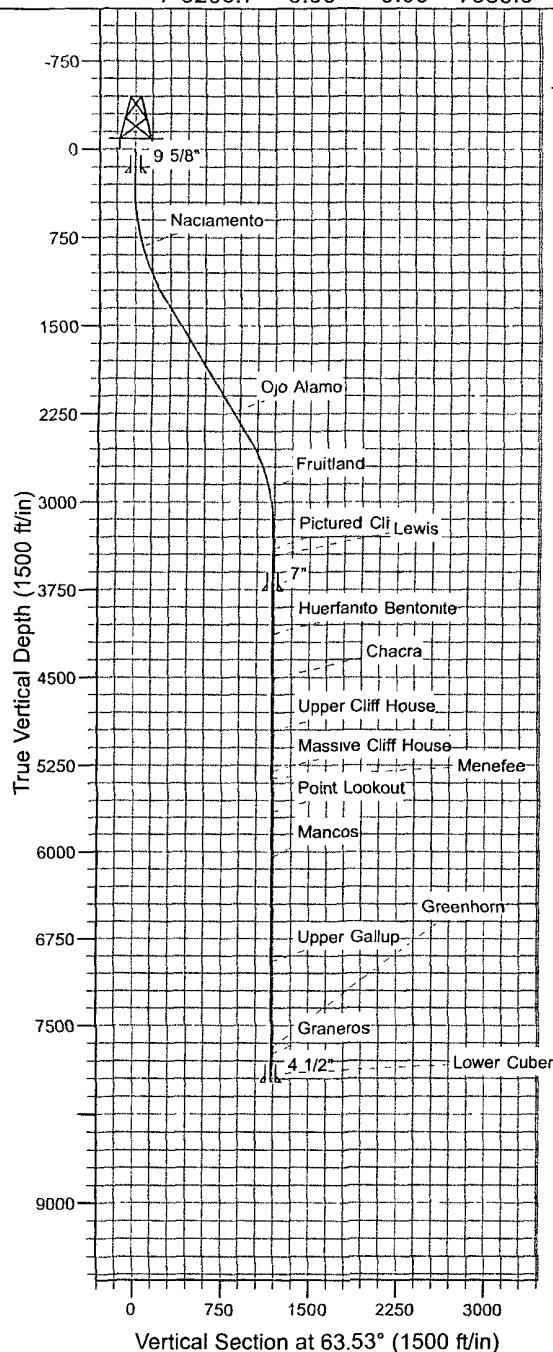
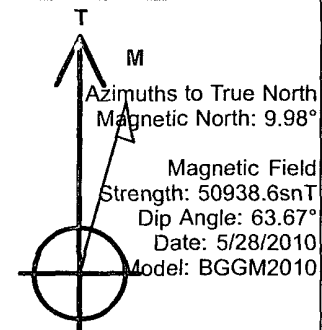


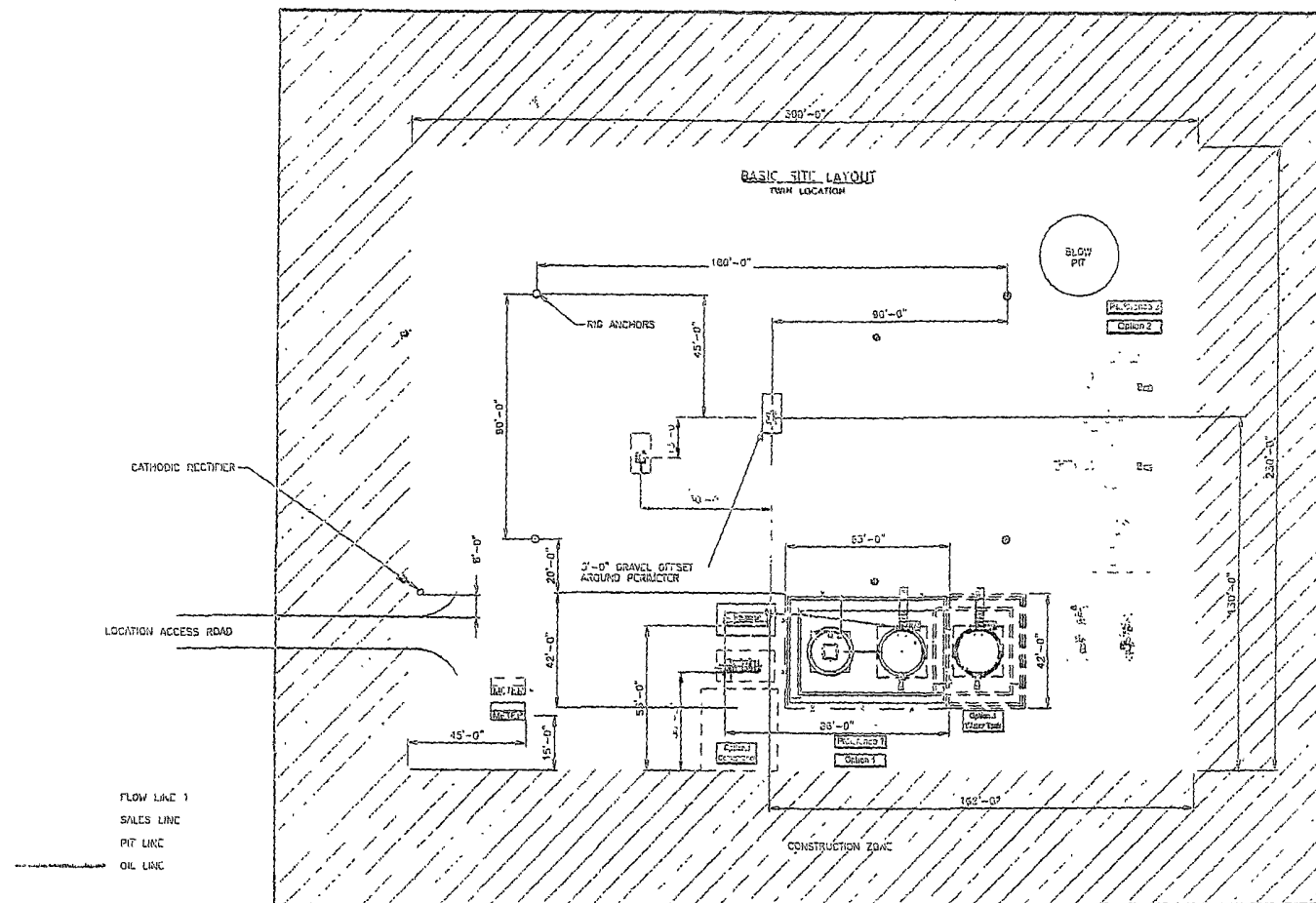
SECTION DETAILS

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	1370.8	31.52	63.53	1318.6	125.6	252.3	3.00	63.53	281.8	
4	2694.7	31.52	63.53	2447.1	434.2	871.9	0.00	0.00	974.0	
5	3482.7	0.00	0.00	3196.0	528.4	1061.1	4.00	180.00	1185.4	SJ 32-8 #15N - VACP
6	4046.7	0.00	0.00	3760.0	528.4	1061.1	0.00	0.00	1185.4	SJ 32-8 #15N - ICP
7	8266.7	0.00	0.00	7980.0	528.4	1061.1	0.00	0.00	1185.4	SJ 32-8 #15N - PCP

FORMATION TOP DETAILS

VDP	MD	Formation
822.0	828.0	Nacimiento
2238.0	2449.4	Ojo Alamo
2352.0	2583.1	Kirtland
2896.0	3180.5	Fruitland
3401.0	3687.7	Pictured Cliffs
3460.0	3746.7	Lewis
4129.0	4415.7	Huerfano Bentonite
4511.0	4797.7	Chacra
4965.0	5251.7	Upper Cliff House
5302.0	5588.7	Massive Cliff House
5358.0	5644.7	Menefee
5658.0	5944.7	Point Lookout
6047.0	6333.7	Mancos
6951.0	7237.7	Upper Gallup
7691.0	7977.7	Greenhorn
7743.0	8029.7	Graneros
7842.0	8128.7	Two Wells
7868.0	8154.7	Paguate
7883.0	8169.7	Upper Cubero
7912.0	8198.7	Lower Cubero
7980.0	8266.7	Encinal





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

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		C-1 ConocoPhillips		CO-1000-011115 HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT	
										DESIGNER	REVIEWER	DATE	NO.	DESCRIPTION				
										PROJECT								
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CONOCOPHILLIPS COMPANY

SAN JUAN 32-8 UNIT #15N
1375' FSL, 836' FWL
SECTION 24, T-31-N, R-8-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.879630°N LONG.: 107.633221°W
ELEV.: 6460 NAVD88
NO NEW ACCESS

FROM HWY. 550 AND HWY. 173 INTERSECTION:

- GO 18.1 MI. EAST TO HWY. 511 AND TURN LEFT
- GO 11.5 MI. TO T-INT AND TURN RIGHT
- GO 100 FT. TO TURN OFF TO COPC SJ 32-8 #220 AND SJ 32-8 #15 TWIN LOCATIONS. THE SJ 32-8 UNIT #15N IS STAKED HERE.