

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 08 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-079381 Unit Reporting Number NMNM-78424A-MV	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD MAR 18 '10	
2. Operator ConocoPhillips Company	7. Unit Agreement Name OIL CONS. DIV. DIST. 3 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 25A	
4. Location of Well Surf: Unit P(SESE), 902' FSL & 736' FEL Bottomhole: Unit O(SWSE), 1300' FSL & 1630' FEL Surf: Latitude: 36.935493° N (NAD83) Longitude: 107.673770° W Bottomhole: Latitude: 36.936631° N (NAD83) Longitude: 107.676833° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 33, T32N, R8W API # 30-045-35118	
14. Distance in Miles from Nearest Town 36 miles / Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 736'		
16. Acres in Lease 2,240.00	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 52' from San Juan 32-8 Unit 203A (FC)		
19. Proposed Depth 8306'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6717' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafaya</u> Crystal Tafaya (Regulatory Technician)	Date <u>3/8/2010</u>	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY D. Mantel TITLE AFM DATE 3/18/2010

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 ES-0048 and ES-0085

Hold C104

for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC CO. 24 HRS
PRIOR TO CASING & CEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATION ON FEDERAL AND INDIAN LANDS

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

DRILLING OPERATIONS AUTHORIZED
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

NMOCDB

MAR 19 2010

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
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

RECEIVED

MAR 08 2010 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT Management
Registration Field Office

¹ API Number 30-045- 35118	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / MESAVERDE
⁴ Property Code 31330	⁵ Property Name SAN JUAN 32-8 UNIT	⁶ Well Number 25A
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6717

¹⁰ SURFACE LOCATION

UL or lot no. P	Section 33	Township 32-N	Range 8-W	Lot Idn	Feet from the 902	North/South line SOUTH	Feet from the 736	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. O	Section 33	Township 32-N	Range 8-W	Lot Idn	Feet from the 1300	North/South line SOUTH	Feet from the 1630	East/West line EAST	County SAN JUAN
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¹² Dedicated Acres 320.00 (E/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

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 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 <i>Crystal Tafoya</i> 8/26/09 Signature Crystal Tafoya Printed Name Regulatory Technician Title and E-mail Address August 26th, 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: 8/4/09 Signature and Seal of Professional Surveyor: Certificate Number: NM 11393	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 25A

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7122				AFE \$: 1,697,713.75	
Field Name: 32-8		Rig: H&P Rig 282		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Brain, Ted H.		Phone: +1 832-486-2592		Prod. Engineer: Piotrowicz, Greg M.		Phone: +1 832-486-3486	
Res. Engineer:		Phone:		Proj. Field Lead: Fransen, Eric E.		Phone: +1-432-368-1215	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.935489	Longitude: -107.673156	X:	Y:	Section: 33		Range: 008W	
Footage X: 736 FEL	Footage Y: 902 FSL	Elevation: 6717	(FT)	Township: 032N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.936627	Longitude: -107.676219	X:	Y:	Section: 33		Range: 008W	
Footage X: 1630 FEL	Footage Y: 1300 FSL	Elevation:	(FT)	Township: 032N			
Tolerance:							
Location Type: Summer Only		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6732 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6531	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	1024	5708	☐				
OJO ALAMO	2328	4404	☐				
KIRTLAND	2397	4335	☐				
FRUITLAND	3036	3696	☐			Possible Gas	
PICTURED CLIFFS	3614	3118	☐				
LEWIS	3732	3000	☐				
Intermediate Casing	3832	2900	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 898 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4406	2326	☐				
CHACRA	4810	1922	☐				
UPPER CLIFF HOUSE	5275	1457	☐			Gas; Est. Top Perf - 5276 (1455)	
MASSIVE CLIFF HOUSE	5637	1095	☐	866		Gas	
MENEFEE	5684	1048	☐				
POINT LOOKOUT	5948	784	☐				
MANCOS	6334	398	☐				
UPPER GALLUP	7278	-546	☐				
GREENHORN	7994	-1262	☐				
GRANEROS	8045	-1313	☐				
TWO WELLS	8156	-1424	☐	3460		Gas	
PAGUATE	8167	-1435	☐				
UPPER CUBERO	8180	-1448	☐				
LOWER CUBERO	8208	-1476	☐			Est. Btm Perf - 8285 (-1554) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 32-8 UNIT 25A

DEVELOPMENT

ENCINAL	8266	-1534	☐
Total Depth	8306	-1574	☐

TD - 40' below T/ENCN
6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 608 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	SJ 32-8 203A	33-32N-8W-SE, KB = 6725
Intermediate	SJ 32-8 40A	33-32N-8W-NW, KB = 6794
Production	SJ 32-8 40	32N 8W 33 NE SW SW
Production	SJ 32-8 241	31N 8W 4 SW NE NE
Production	SJ 32-8 203	32N 8W 33 NE SW NE
Production	Rattlesnake Canyon 1	32N 8W 32 NW SE SW

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

CBL/GR

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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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 32-8 #25A
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6732.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6732.0ft (Original Well Elev)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-8 #25A	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
230.0	230.0	9 5/8"	9-5/8	12-1/4	
3,991.2	3,832.0	7"	7	8-3/4	
8,465.2	8,306.0	4 1/2"	4-1/2	6-1/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,490.5	2,397.0	Kirtland		0.00	
4,565.2	4,406.0	Huerfano Bentonite		0.00	
1,031.3	1,024.0	Nacimiento		0.00	
5,434.2	5,275.0	Upper Cliff House		0.00	
3,891.1	3,732.0	Lewis		0.00	
4,969.2	4,810.0	Chacra		0.00	
5,843.2	5,684.0	Menefee		0.00	
3,172.2	3,036.0	Fruitland		0.00	
6,107.2	5,948.0	Point Lookout		0.00	
5,796.2	5,637.0	Massive Cliff House		0.00	
3,772.7	3,614.0	Pictured Cliffs		0.00	
2,416.9	2,328.0	Ojo Alamo		0.00	

REFERENCE INFORMATION

RKB @ 6732.0ft (Original Well Elev)
Ground Elevation 6717.0
Reference Lat: 36° 56' 7.765 N
Reference Long: 107° 40' 23.366 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 32 Wells
Well: SJ 32-8 #25A
Wellbore: Principal Wellbore
Design: Plan #1

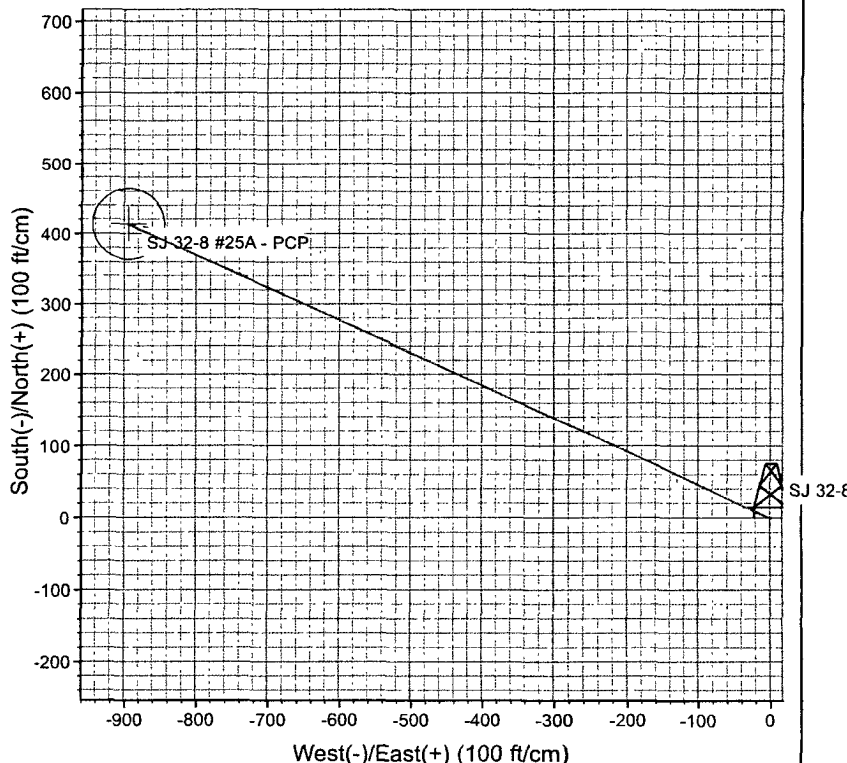
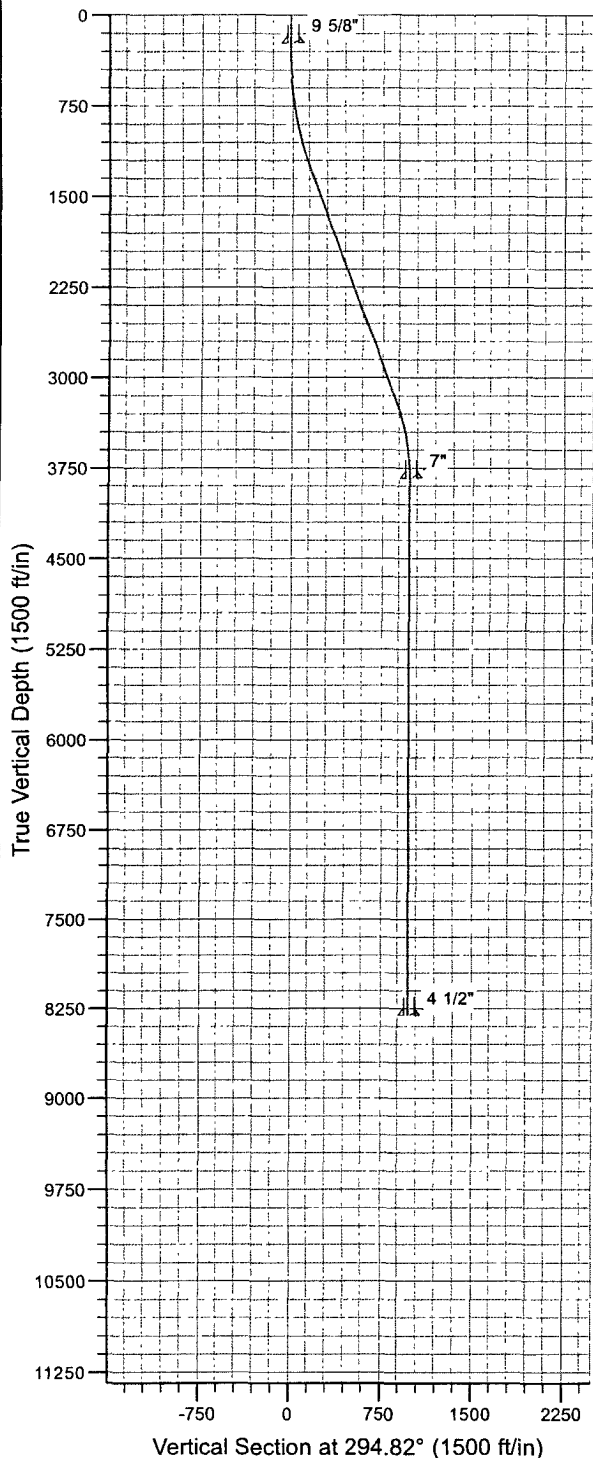
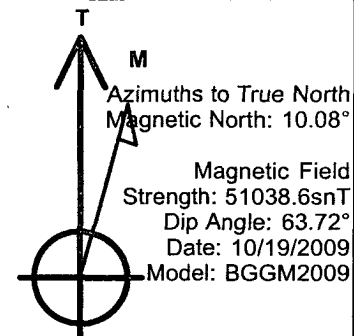
ConocoPhillips

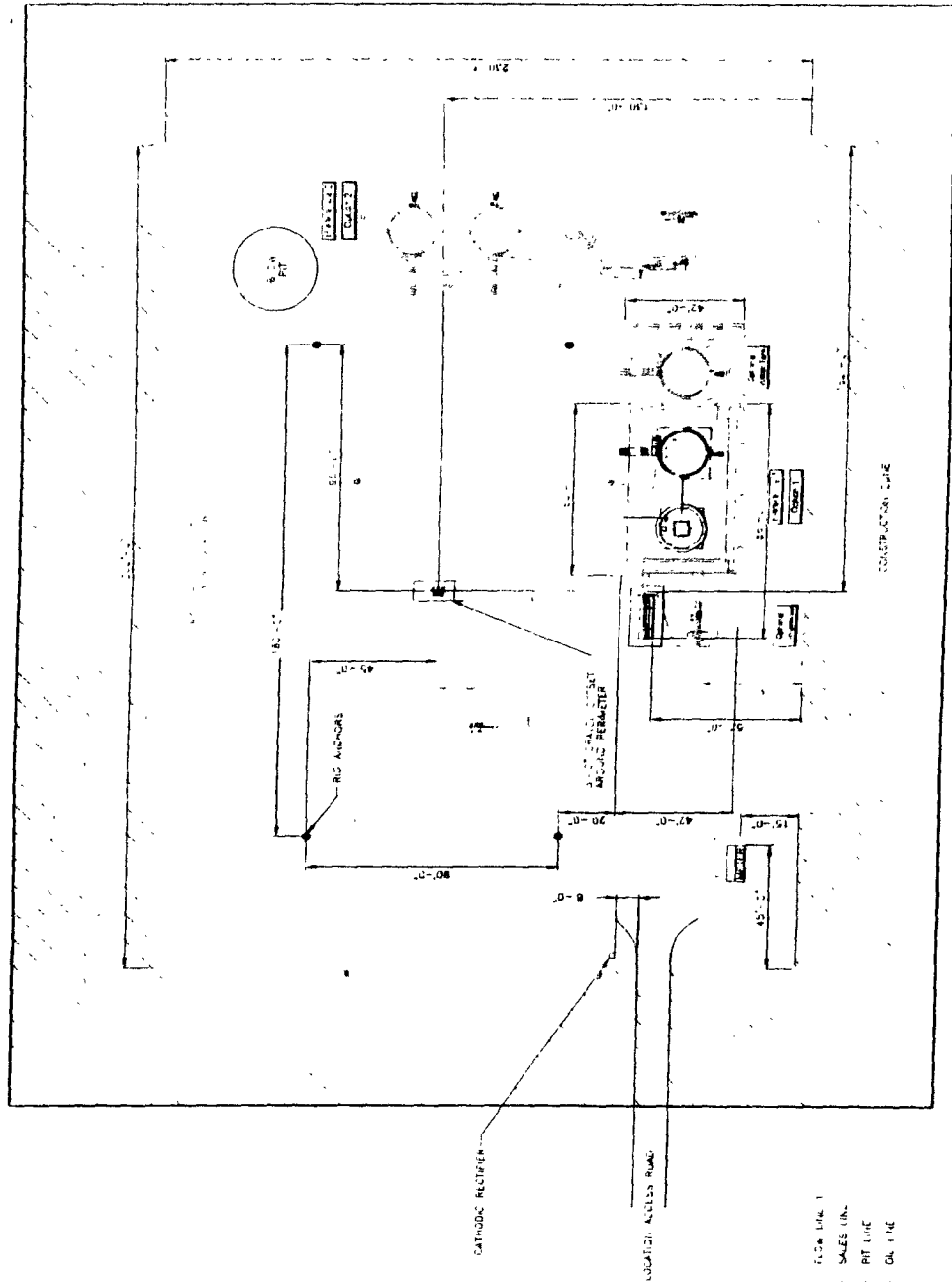
SECTION DETAILS

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	1339.4	20.39	294.82	1318.1	75.3	-162.9	2.00	294.82	179.5	
4	3311.6	20.39	294.82	3166.6	363.7	-786.5	0.00	0.00	866.5	
5	3991.2	0.00	0.00	3832.0	414.0	-895.1	3.00	180.00	986.2	SJ 32-8 #25A - ICP
6	8465.2	0.00	0.00	8306.0	414.0	-895.1	0.00	0.00	986.2	SJ 32-8 #25A - PCP

FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
1024.0	1031.3	Nacimiento
2328.0	2416.9	Ojo Alamo
2397.0	2490.5	Kirtland
3036.0	3172.2	Fruitland
3614.0	3772.7	Pictured Cliffs
3732.0	3891.1	Lewis
4406.0	4565.2	Huerfano Bentonite
4810.0	4969.2	Chacra
5275.0	5434.2	Upper Cliff House
5637.0	5796.2	Massive Cliff House
5684.0	5843.2	Menefee
5948.0	6107.2	Point Lookout





1. 15'-0"
 2. 20'-0"
 3. 40'-0"
 4. 60'-0"
 5. 80'-0"
 6. 100'-0"
 7. 120'-0"
 8. 140'-0"
 9. 160'-0"
 10. 180'-0"
 11. 200'-0"
 12. 220'-0"
 13. 240'-0"
 14. 260'-0"
 15. 280'-0"
 16. 300'-0"
 17. 320'-0"
 18. 340'-0"
 19. 360'-0"
 20. 380'-0"
 21. 400'-0"
 22. 420'-0"
 23. 440'-0"
 24. 460'-0"
 25. 480'-0"
 26. 500'-0"
 27. 520'-0"
 28. 540'-0"
 29. 560'-0"
 30. 580'-0"
 31. 600'-0"
 32. 620'-0"
 33. 640'-0"
 34. 660'-0"
 35. 680'-0"
 36. 700'-0"
 37. 720'-0"
 38. 740'-0"
 39. 760'-0"
 40. 780'-0"
 41. 800'-0"
 42. 820'-0"
 43. 840'-0"
 44. 860'-0"
 45. 880'-0"
 46. 900'-0"
 47. 920'-0"
 48. 940'-0"
 49. 960'-0"
 50. 980'-0"
 51. 1000'-0"

ALL DIMENSIONS ARE IN FEET AND INCHES
 ALL DIMENSIONS ARE TO BE SHOWN AS SHOWN ON THE PLAN

CenocoPhillips										SAN JUAN BUSINESS JIC									
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ON THE										ON THE									
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CONOCOPHILLIPS COMPANY

**SAN JUAN 32-8 UNIT #25A
902' FSL, 736' FEL
SECTION 33, T-32-N, R-8-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.935493°N LONG.: 107.673770°W
ELEV.: 6717 NAVD88
NO NEW ACCESS**

FROM THE INTERSECTION OF HWY. 550 AND HWY. 64 IN
BLOOMFIELD, NM:

- GO EAST ON HWY. 64 FOR 11.7 MI. TURN LEFT (NORTH) ON HWY. 511.
- GO 24.4 MI. NORTH ON HWY. 511. TURN LEFT (WEST) OFF HIGHWAY.
- GO 0.3 MI. WEST AND NORTH. TURN LEFT ONTO WELL: SJ 32-8 #203A. NEW WELL IS TWINNED HERE.