

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

JAN 20 2009

Land Management
Farmington Field Office

RECEIVED
BLM/CAS.DIV.
DIST. 2

1a. Type of Work DRILL	5. Lease Number SF-079035-A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Scott Federal 9. Well Number 6N
4. Location of Well Surf: Unit J (NWSE), 1500' FSL & 2005' FEL BHL: Unit P (SESE), 710' FSL & 1205' FEL Surf: Latitude: 36.48355 N Longitude: 107.48915 W BHL: Latitude: 36.48513 N Longitude: 107.48646 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 17, T26N, R6W BHL: Sec. 17, T26N, R6W API # 30-039- 30669
14. Distance in Miles from Nearest Town 44.6 miles/Bloomfield	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	
16. Acres in Lease 2,400.00	17. Acres Assigned to Well 320.00 (S/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 181' from the Scott Federal 6M (DK/MV)	
19. Proposed Depth 7602'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6747' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	1-28-09 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

Hold C104

for Directional Survey
and "As Drilled" plat

for Directional Survey
and "As Drilled" plat

Bond Numbers ES-0048 and ES-0085

NMOCD

MAR 09 2009

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DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

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

DISTRICT IV
1220 South 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

JAN 29 2009

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30009	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31608	⁵ Property Name SCOTT FEDERAL	⁶ Well Number 6N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	Elevation 6747'

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	17	26-N	6-W		1500	SOUTH	2005	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
P	17	26-N	6-W		710	SOUTH	1205	EAST	RIO ARRIBA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
S/2 - 320 ACRES			

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

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PRELIMINARY B.H.L.
B.H.L. FOOTAGES ARE APPROXIMATE
AND PROVIDED BY CONOCOPHILLIPS
CLIENT

SURFACE:

LAT: 36.48355° N. (NAD 83)
LONG: 107.48915° W. (NAD 83)
LAT: 36°29.0127' N. (NAD 27)
LONG: 107°29.3128' W. (NAD 27)

FD. 3 1/4" BC.
1957 B.L.M.

SF-079035

SF-079035-A

BOTTOM HOLE:

LAT: 36.48513° N. (NAD 83)
LONG: 107.48646° W. (NAD 83)
LAT: 36°28.8971' N. (NAD 27)
LONG: 107°29.1446' W. (NAD 27)

1500'

B.H.L.

2005'

1205'

710'

CALC'D. CORNER
BY DBL. PROP.

FD. 3 1/4" BC.
1956 B.L.M.

S 86-17-15 W
2641.43' (C)

N 00-35-37 E
2705.14' (C)

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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.

James Gardenhire 10/03/08
Signature Date
James Gardenhire
Printed Name

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SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plot 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 knowledge and belief.

JUNE 11, 2008
Date of Survey
Signature and Seal of Professional Surveyor:
[Signature]
06-05-08
8894
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate Number

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SCOTT FEDERAL 6N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8076				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Datum Code: NAD 27							
Latitude: 36.483540		Longitude: -107.488546		X:	Y:	Section: 17	Range: 006W
Footage X: 2005 FEL		Footage Y: 1500 FSL		Elevation: 6747 (FT)	Township: 026N		
Tolerance:							
Location: Datum Code: NAD 27							
Latitude: 36.485120		Longitude: -107.485856		X:	Y:	Section: 17	Range: 006W
Footage X: 1205 FEL		Footage Y: 710 FSL		Elevation: (FT)	Township: 026N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6762 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6562	☐			200' 9 5/8" 32.3 ppf, J-55, H-40 STC casing. Cement with 159 cuft. Circulate cement to surface.	
OJO ALAMO	2370	4392	☐				
KIRTLAND	2532	4230	☐				
FRUITLAND	2644	4118	☐			Possible Gas	
PICTURED CLIFFS	3020	3742	☐				
LEWIS	3067	3695	☐				
HUERFANITO BENTONITE	3496	3266	☐				
CHACRA	3933	2829	☐				
UPPER CLIFF HOUSE	4705	2057	☐			Est. Top Perf - 4708 (2055)	
MASSIVE CLIFF HOUSE	4731	2031	☐	414		Cliffhouse Possibly Wet	
MENEFEE	4758	2004	☐				
Intermediate Casing	4909	1853	☐			8-3/4" hole, 7" casing. 23 ppf, J-55 LTC casing. Cement with 1152 cuft. Circulate cement to surface.	
POINT LOOKOUT	5288	1474	☐			GAS	
MANCOS	5636	1126	☐				
UPPER GALLUP	6392	370	☐				
GREENHORN	7205	-443	☐				
GRANEROS	7261	-499	☐				
TWO WELLS	7304	-542	☐	2625		Gas	
PAGUATE	7384	-622	☐				
UPPER CUBERO	7414	-652	☐				
LOWER CUBERO	7444	-682	☐				
OAK CANYON	7462	-700	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SCOTT FEDERAL 6N

DEVELOPMENT

ENCINAL	7512	-750	☐
BURRO CANYON	7587	-825	☐
Total Depth	7602	-840	☐

Est. Btm Perf - 7543 (-780) based on offset wells
 TD - 50' Below T/ENCN + 40' for mudshoe
 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80 LTC casing. Cement with ~~1152~~ ^{+/- 375 ft³} cuft. Circulate cement a minimum of 100' into previous casing.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Breech-A 229-M	26N-6W17 SW NE NE
Production	State-B Com 233-E	26N-6W16 SW NE SW
Production	Scott Federal 6M	26N-6W17 SE NW SE
Production	Breech-A D-229	26N-6W17 NW 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

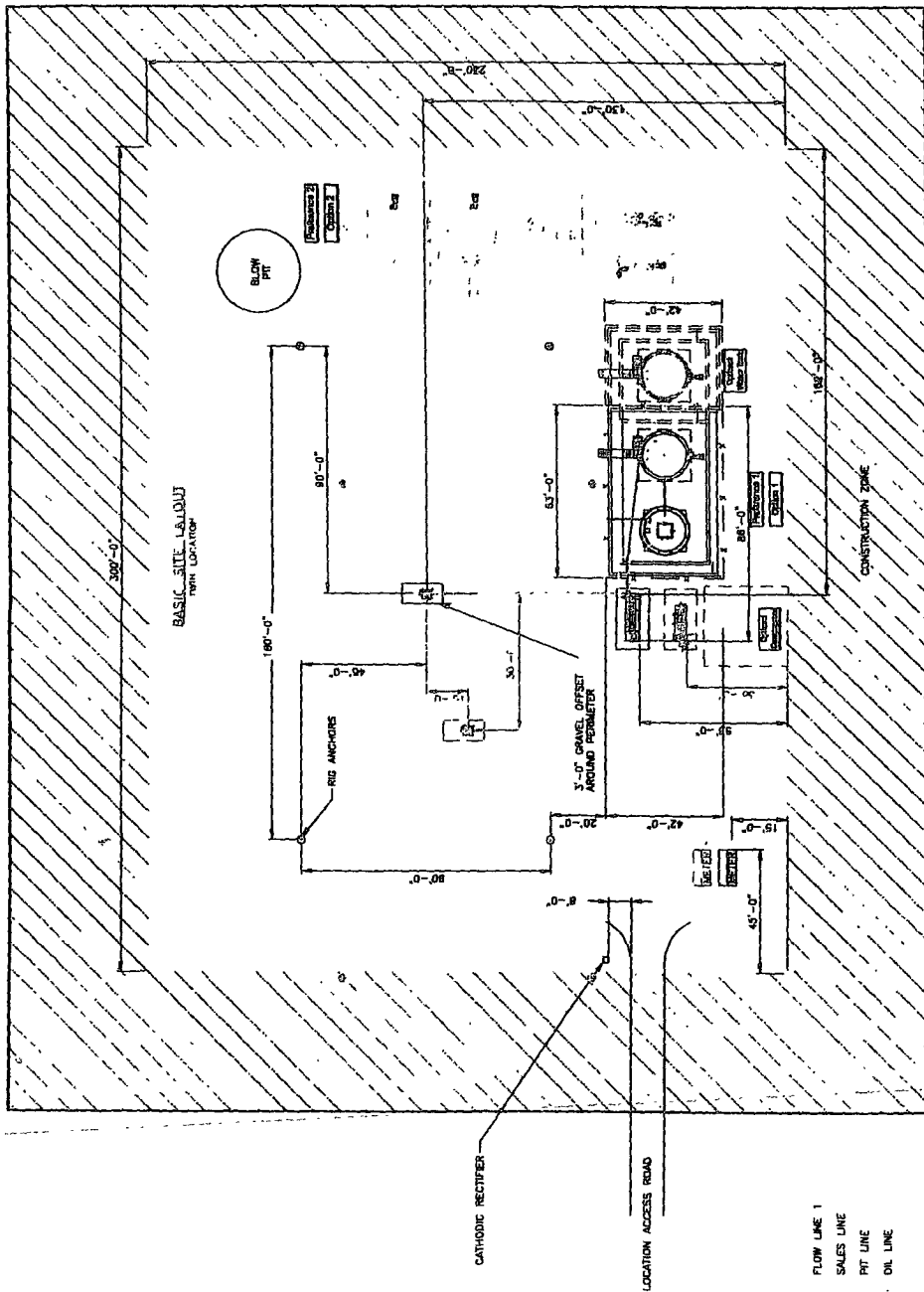
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Scott Federal #6N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6762.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6762.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Scott Federal #6N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,384.0	2,370.0	Ojo		0.00		
2,555.7	2,532.0	Kirtland		0.00		
2,676.8	2,644.0	Fruitland		0.00		
3,090.0	3,020.0	Pictured Cliffs		0.00		
3,141.6	3,067.0	Lewis		0.00		
3,613.2	3,496.0	Huerfano Bentonite		0.00		
4,093.6	3,933.0	Chacra		0.00		
4,908.1	4,705.0	Upper Cliffhouse		0.00		
4,934.3	4,731.0	Mass. Cliffhouse		0.00		
4,961.4	4,758.0	Menefee		0.00		
5,491.5	5,288.0	Point Lookout		0.00		
5,839.5	5,636.0	Mancos		0.00		
6,595.5	6,392.0	Upper Gallup		0.00		
7,408.5	7,205.0	Greenhorn		0.00		
7,464.5	7,261.0	Graneros		0.00		
7,507.5	7,304.0	Two Wells		0.00		
7,587.5	7,384.0	Paguate		0.00		
7,617.5	7,414.0	Upper Cubero		0.00		
7,647.5	7,444.0	Lower Cubero		0.00		
7,665.5	7,462.0	Oak Canyon		0.00		
7,715.5	7,512.0	Encinal		0.00		
7,805.5	7,602.0	Burro Canyon		0.00		



SHEET 1 OF 5

SEE SHEET 4 & 5 FOR FURTHER DETAILS
ALL DIMENSIONS ARE TO BE CENTER UNLESS A DIM. OF 3'-0" TOP

CONCORD PHILLIPS									
HIGH PRESSURE 3 PHASE									
FACILITY DIAGRAM- SITE LAYOUT									
SAN JUAN BUSINESS UNIT									
HP 3PHASE-REV1									
NO.	DESCRIPTION	DATE	BY	CHKD	APP'D	REV	DATE	BY	CHKD
1	ISSUED FOR CONSTRUCTION	10/20/2007	W. J. GARCIA						
2	REVISED	10/20/2007	W. J. GARCIA						
3	REVISED	10/20/2007	W. J. GARCIA						
4	REVISED	10/20/2007	W. J. GARCIA						
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11	REVISED	10/20/2007	W. J. GARCIA						
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97	REVISED	10/20/2007	W. J. GARCIA						
98	REVISED	10/20/2007	W. J. GARCIA						
99	REVISED	10/20/2007	W. J. GARCIA						
100	REVISED	10/20/2007	W. J. GARCIA						

**Directions from the Bloomfield, New Mexico, post office to the
ConocoPhillips Company**

Scott Federal #6N well location

**1500' FSL 2005' FEL Section 17, T26N R6W, NMPM
Rio Arriba County, New Mexico**

From the Bloomfield, New Mexico, post office (Lat. 36.71111° N, Long. 107.99250° W):

Travel east on Hwy 64 0.4 mi to the intersection with Hwy 550 (Lat. 36.71111° N, Long. 107.98472° W).

Turn right (south) on Hwy 550 and travel southwesterly 1.0 mi to CR 4990 (Sullivan Road) (Lat. 36.69639° N, Long. 107.98750° W).

Turn left on CR 4990 and travel easterly 15.0 mi to CR 4550 at the Largo Wash Bridge (Lat. 36.68694° N, Long. 107.75694° W).

Travel southeasterly on CR 4550 21.3 mi to the old Largo School (Lat. 36.47972° N, Long. 107.52806° W).

Continue northeasterly on the main road, across Largo Wash and up through Ice Canyon, 3.8 mi to the old corrals on the left (west) side of the road (Lat. 36.51028° N, Long. 107.47917° W).

Turn right on a field road and travel southeasterly 1.3 mi to a four-way intersection at the top of a hill (Lat. 36.4950° N, Long. 107.46639° W).

Turn right and travel southwesterly 0.9 mi to a fork in the road (Lat. 36.49083° N, Long. 107.47833° W).

Take the fork to the right and continue southwesterly 0.8 mi to a well access road on the south (left) side of the road (Lat. 36.48500° N, Long. 107.49000° W).

Turn left on this road and travel southeast <0.1 mi to the new access on the right (west) side of the road (Lat. 36.48439° N, Long. 107.48929° W).

The new access continues south 168' to the new location (Lat. 36.48355° N, Long. 107.48915° W) which is co-located with the existing Scott Federal #6M well (Lat. 36.48354° N, Long. 107.48854° W).