

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 15 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-078431 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name RCVD DEC 1 '10 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Nickson 9. Well Number 12F	
4. Location of Well Surf: Unit D (NWNW), 1128' FNL & 1060' FWL Surf: Latitude: 36.44750° N (NAD83) Longitude: 107.65735° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T26N, R8W API # 30-045-35215	
14. Distance in Miles from Nearest Town 33 Miles to Blanco, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1060'		
16. Acres in Lease 2451.930	17. Acres Assigned to Well 320 Acres W/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 908' from Nickson 12 (DK)		
19. Proposed Depth 6725 7416	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6997' GL This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Brandie Blakley Brandie Blakley (Staff Regulatory Tech)	11-9-10 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature] TITLE AFM

DATE 11/23/2010

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

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

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.

JAN 05, 2011

NMOCD

ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

NOV 15 2010

Submit to Appropriate District Office

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Farmington Field Office
Bureau of Land Management

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35215		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 31772	*Property Name NICKSON		*Well Number 12F
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6997'

10 Surface Location

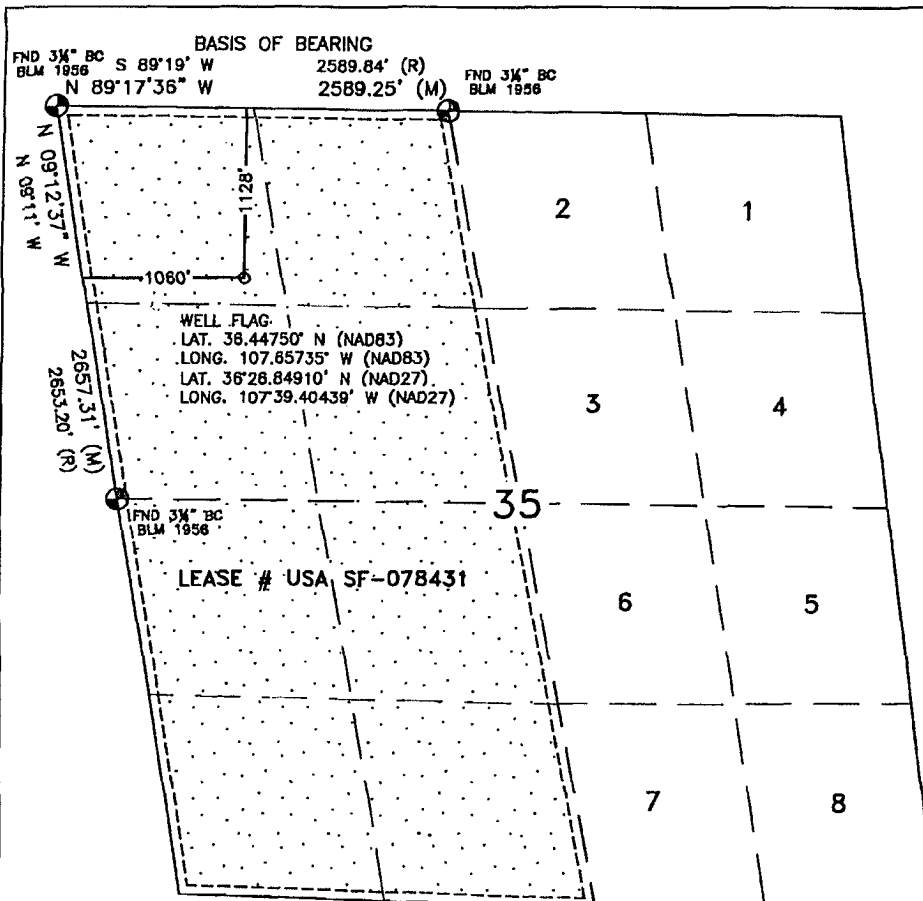
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	35	26N	8W		1128'	NORTH	1060'	WEST	SAN JUAN

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
D									
*Dedicated Acres 320.00 ACRES - W/2			*Joint or Infill		*Consolidation Code		*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



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 or a compulsory pooling order heretofore entered by the division.

Brandie Blakley 11-6-10
Signature Date

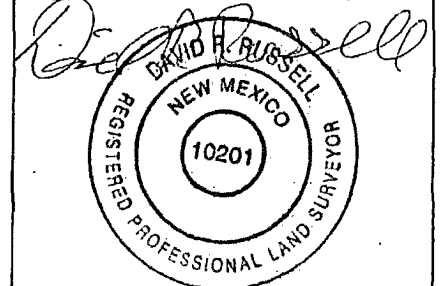
Brandie Blakley 11/6/10
Printed Name

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.

APRIL 19, 2010

Date of Survey
Signature and Seal of Professional Surveyor:



DAVID RUSSELL
Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NICKSON 12F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9386				AFE \$: 888,950.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		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)						
Location: Surface		Datum Code: NAD 27				Straight Hole	
Latitude: 36.447490	Longitude: -107.656740	X:	Y:	Section: 35	Range: 008W		
Footage X: 1060 FWL	Footage Y: 1128 FNL	Elevation: 6997	(FT)	Township: 026N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7012 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6812		☐			200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 119 cuft. Circulate cement to surface.
OJO ALAMO	1946	5066		☐			
KIRTLAND	2134	4878		☐			
FRUITLAND	2273	4739		☐			Possible Gas
PICTURED CLIFFS	2730	4282		☐			
LEWIS	2830	4182		☐			
HUERFANITO BENTONITE	3135	3877		☐			
CHACRA	3596	3416		☐			
UPPER CLIFF HOUSE	4082	2930		☐			Cliffhouse is wet
MASSIVE CLIFF HOUSE	4284	2728		☐			
MENEFEE	4362	2650		☐			
INTERMEDIATE CASING DEEP SET	4512	2500		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 883 cuft. Circulate cement to surface.
POINT LOOKOUT	5028	1984		☐			GAS
MANCOS	5381	1631		☐			
UPPER GALLUP	6136	876		☐			
GREENHORN	7008	4		☐			
GRANEROS	7060	-48		☐			
TWO WELLS	7092	-80		☐	3214		Gas
PAGUATE	7164	-152		☐			
UPPER CUBERO	7216	-204		☐			
LOWER CUBERO	7234	-222		☐			Est. Btm Perf - 6710 (- 293) based on offset wells
ENCINAL	7320	-308		☐			TD - T/ENCN; consistent with air drill and offset information.
Total Depth	7320	-308		☐	184		6 1/4" hole, 4-1/2" 11.6 ppf, N-80 LTC casing. Cement with 386 cuft. Circulate cement to surface.
BURRO CANYON	7370	-358		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

NICKSON 12F

DEVELOPMENT

MORRISON 7416 -404 ☐

Reference Wells:

Reference Type	Well Name	Comments
Production	Hodges 13	26N 8W 34 NW NE
Production	Nickson 13	26N 8W 26 SW SW
Production	Nickson 12	26N 8W 35 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
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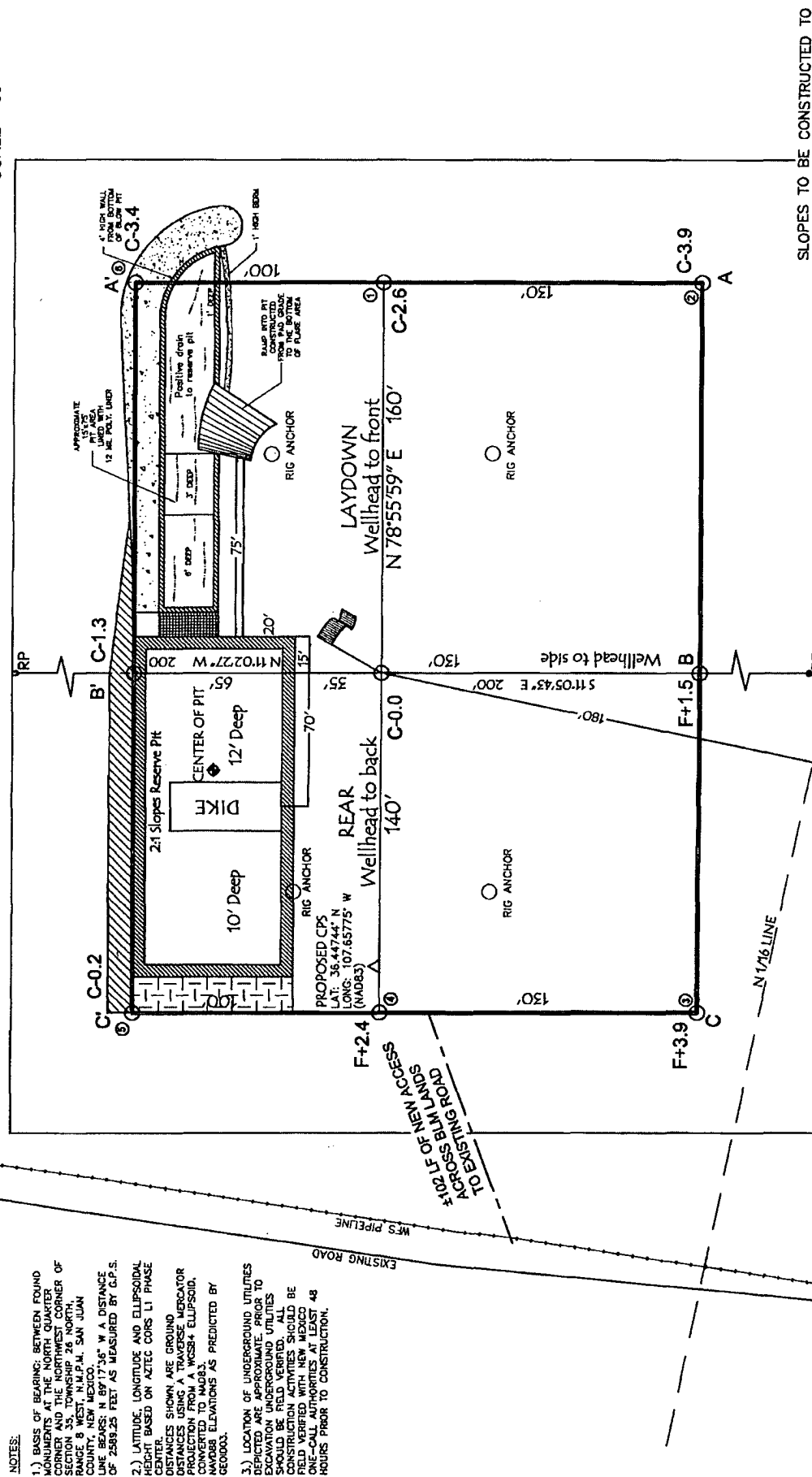
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CONOCOPHILLIPS COMPANY

CENTER OF PIT
 LATITUDE: 36.44750° N
 LONGITUDE: 107.65735° W
 LATITUDE: 36.44763° N
 LONGITUDE: 107.65759° W
 ELEVATION: 6985.2'
 DATUM: NAD83 & NAVD88

NICKSON #12F

1128' FNL & 1060' FWL
LOCATED IN THE NW/4 NW/4 OF SECTION 35,
T26N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6997', NAVD 88
FINISHED PAD ELEVATION: 6997.2', NAVD 88



SLOPES TO BE CONSTRUCTED TO
MATCH THE ORIGINAL CONTOURS
AS CLOSE AS POSSIBLE.

NOTE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). RESERVE PIT DIKE: RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINE CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS BEFORE CONSTRUCTION.

Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637

TOTAL PERMITTED AREA
330' x 400' = 3.03 ACRES
SCALE: 1" = 60'
JOB No.: COPC362
DATE: 04/23/10
DRAWN BY: GRR

CONOCOPHILLIPS COMPANY

NICKSON #12F

1128' FNL & 1060' FWL

LOCATED IN THE NW/4 NW/4 OF SECTION 35,

T26N, R8W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLOOMFIELD, TRAVEL TO THE INTERSECTION OF HWY 64 AND HWY 550.
- 2) TRAVEL SOUTH ON HWY 550, 23.5 MILES TO CR 7425.
- 3) TURN LEFT ON CR 7425 AND TRAVEL EAST 9.3 MILES TO A "T" INTERSECTION.
- 4) TURN LEFT ON CR 7425 AND TRAVEL ACROSS BLANCO WASH 0.5 MILES.
- 5) CONTINUE AHEAD 4.7 MILES (DUFERS POINT).
- 6) CONTINUE LEFT 1.0 MILE TO WELL FLAG.

WELL FLAG LOCATED AT LAT. 36.44750° N, LONG. 107.65735° W (NAD 83).

