

Y27/2015 DATE IN	SUSPENSE	MAM ENGINEER	Y23/2015 LOGGED IN	NSL TYPE	PMAM/502342683 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD
Check One Only for [B] or [C]
[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
[D] Other: Specify _____

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
[A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☒ Offset Operators, Leaseholders or Surface Owner
[C] ☐ Application is One Which Requires Published Legal Notice
[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Patsy Clugston

Print or Type Name

Patsy Clugston
Signature

Staff Regulatory Tech.

Title

1/23/15

Date

Jackson Com 1N NSL

Patsy.L.Clugston@conocophillips.com
e-mail Address

- NSL 7234
- Burlington Resources
oil and Gas Company LP
14538
well
- Jackson Com 1N
30-045-35415
2015 JAN 23 A 11:47
RECEIVED OGD
POOL
- Basin Data
71595
- Blaine Mesavende
72315



3401 East 30th Street
Farmington, NM 87402

January 23, 2015

Sent Overnight UPS

New Mexico Oil Conservation Division
Attn: Mr. Mike McMillian - NSL Examiner
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Jackson Com 1N - NSL application for Basin Dakota and Blanco Mesaverde Pools
Surface Location: Unit L (NWSW), 1738' FSL & 15' FWL, Sec. 9, T28N, R9W
Bottomhole Location L (NWSW), 1861' FSL & 1002' FWL, Sec. 9, T28N, R9W
API - 30-045-35415

Dear Mr. McMillian:

This is a request for administrative approval for a non-standard gas well location in the Basin Dakota and Blanco Mesaverde Pools.

The Jackson Com 1N was staked as a commingled MV/DK directional well. The NMOCD Order establishing setbacks for the MV is R-10987A and R-10987-B for Dakota. Section 9 is an irregular section and the MV proration unit is 272.08 acres which covers the entire Section 9. The DK's dedication is covered under Order 1814 (25) for 340.52 acres.

The surface location was selected due to extremely rough terrain and was twinned with an existing COPC well, the Jackson Com 1E (DK). September 2012 we permitted this well as a directional well with an original target of 1855' FSL & 1020' FWL. At that time we failed to notice that that bottomhole location was a non-standard location (NSL). When we received the APD approval from the NMOCD it was approved noting that a NSL would have to be secured before we could produce the well.

We decided then to move the bottomhole location to a standard location of 1539' FSL & 1020' FWL. A sundry and new drilling plan were submitted and approved by both the BLM and the NMOCD in December 2012. In early 2013 ConocoPhillips made the decision to focus company funds on oil properties, thus deciding to cancel our gas drilling in the San Juan Basin. Sundries were submitted to rescind our APDs.

In May 2014, we requested that several wells be reinstated with the original approvals. Both the BLM and OCD accommodated us and the wells were reinstated, one of which was the Jackson Com 1N. When the BLM returned our reinstated APD, the sundry that approved the bottomhole location (BHL) change was not included and there were no corrections to the footages noted on the APD cover page. Our drilling department used the approved APD's plats and location legals to prepare the drilling plan. They subsequently used the first BHL as the target and unknowingly drilled the well to a non-standard location boring in a northeast direction instead of the southeast direction. The drilling error was found while preparing reports for a TAG-C104 to temporarily deliver the well through our gas recovery unit.

After the error was discovered we immediately notified our staff and work began to assess the situation. In this particular township the top roll of sections (1 thru 6) doesn't exist. We found that we were encroaching the SE/4 of Section 32, T29N, R9W. In our review we also determined that we were greater than 1000' away from the SW corner of Section 33 and further than 1700' from the middle line of Section 32 which meant that we were only encroaching the E/2 of Section 32 of which XTO Energy Inc is the Operator. We found that we were 388' from the section line instead of the required 660'. That day our Landman made the call to XTO Energy's Landman and informed them of what had happened.

Included in the NSL application is the as drilled directional survey that shows the inclination and Azimuth at the survey depths. Cathedral's final survey point of 4934' shows the inclination at 1.7° and shows it to be 123.68' north and 985' east of the original entry point (surface location). COPC's final Survey was at 7594' and had an inclination of 2°. This puts our entire production interval at 1861' FSL & 1002' FWL. The Mesaverde and Dakota perforations will be as follows:

MV - 3071' - 3557'

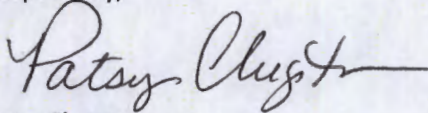
DK - 7233' - 7488'

To comply with the New Mexico Oil Conservation Division rules, we are requesting that both the NMOCD and XTO Energy recognize this as a regrettably costly mistake. We sincerely regret that this happened and truly hope will grant us the Nonstandard Location Exception. Please see the attached documents to help you make a decision.

1. Approved APD cover page and its C102 plat
2. Copy of approved sundry to change the BHL & drilling plan
3. Copy of the reinstated approval from the BLM
4. 9 Section Plat showing wells in the area and Offset Operator Information
5. Topo & aerial maps showing the location of the well
6. As Drilled Directional Survey Report from Cathedral Energy
7. COPC's Deviation report

XTO Energy Inc is the Operator of the affected proration unit and has four producing MV and four producing DK wells in the E/2 of Section 32, T29N, R9W, therefore notification is being sent to XTO with a request to sign a waiver. Please let me know if you have any questions about this application at 505-326-9518.

Respectfully,



Patsy Clugston
Sr. Regulatory Specialist



3401 East 30th Street
Farmington, New Mexico 87402

Jackson Com 1N - NSL application for Basin Dakota and Blanco Mesaverde Pools
Surface Location: Unit L (NWSW), 1738' FSL & 15' FWL, Sec. 9, T28N, R9W
Bottomhole Location L (NWSW), 1861' FSL & 1002' FWL, Sec. 9, T28N, R9W
API - 30-045-35415

I hereby certify that the XTO Energy, INC is the offset operator and has been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

XTO Energy
Attn: Dean Jackson, Landman
810 Houston Street
Ft Worth, TX 76102

A handwritten signature in black ink that reads "Patsy Chught". The signature is written in a cursive, flowing style.

16

WELL FLAG
NAD 83
LAT: 36.674019° N
LONG: 107.803059° W

NAD 27
LAT: 36°40.440782' N
LONG: 107°48.146568' W

DAKOTA LEASE (340.52)

T-29-N 31 32
T-28-N

LOT 4 LOT 3 LOT 2 LOT 1

SECTION 8

USA NM-01772-A USA NM-04202

USA NM-04202 USA NM-04202

17 16 GLO 1916

N 0°03' W 2244.0' (R)
N 0°17'25" W 2249.5' (M)

N 89°56' W 2633.4' (R)
N 89°54'52" W 2634.2' (M)

S 78°41'20" E 1025.8'

MESAVERDE LEASE (272.08)
(ALL SECTION 9)

LOT 4 LOT 3 LOT 2 LOT 1

SECTION 9

USA NM-04202 USA NM-04202

17 16 GLO 1916

BOTTOM HOLE
NAD 83
LAT: 36.673466° N
LONG: 107.799629° W

NAD 27
LAT: 36°40.407567' N
LONG: 107°47.940785' W

dedicated Across

BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.

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.

Arleen White 12/27/12

Signature

Date

Arleen White

Printed Name

Staff Regulatory Tech

Title and E-mail Address

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: 10/19/10

Signature and Seal of Professional Surveyor:

Certificate Number: NM 11393



3401 East 30th Street
Farmington, New Mexico 87402

January 23, 2015

XTO Energy
Attn: Dean Jackson, Landman
810 Houston Street
Ft Worth, TX 76102

Re: Jackson Com 1N - NSL application for Basin Dakota and Blanco Mesaverde Pools
Surface Location: Unit L (NWSW), 1738' FSL & 15' FWL, Sec. 9, T28N, R9W
Bottomhole Location L (NWSW), 1861' FSL & 1002' FWL, Sec. 9, T28N, R9W
API - 30-045-35415

Dear Sir:

Attached you will find a copy of our NSL (non-standard location) application to the NMOCD office in Santa Fe for the subject well. According to NMOCD Rule 104.E(4) be advised that you or your company have a 20 day time frame from the date this notice is received to let the NMOCD know that you have objection to us having the Jackson Com 1N produce from the existing location.

The original application was submitted to the NMOCD on 1-23-15. With our sincere apologies we hope that you will sign the attached waiver. If so please return this waiver either by mail at the address shown above or by fax @ 505-599-4062. If the 20 day waiting period expires the NMOCD will conclude that you or your company has no objection and the NSL approval will be granted to ConocoPhillips Company. If you have objection to this location please let the NMOCD and Conocophillips know as soon as possible and we will make arrangements to schedule a hearing. If you should have questions concerning this application please feel free to call me at 505-326-9518.

Sincerely,

A handwritten signature in black ink that reads "Patsy Clugston". The signature is written in a cursive, flowing style.

Patsy Clugston
Staff Regulatory Technician
ConocoPhillips Co.

Waiver to NSL – Jackson Com 1N

_____ (Company Name) does not object to ConocoPhillips Company completing and producing the Jackson Com 1N current non-standard location – Unit L, 1861' FSL & 1002' FWL, Section 9, T28N, R9W. in San Juan County, API – 30-45-35415.

Company Agent

Date

- VR
- ECS - 2 grams
- Juniper Green

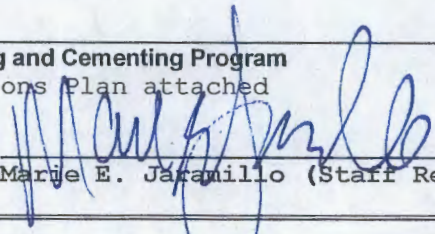
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

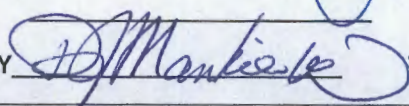
RECEIVED

SEP 23 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	5. Lease Number NM - 04202 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Jackson Com 9. Well Number 1N	
4. Location of Well Surface: Unit L(NW/SW), 1738' FSL & 15' FWL BHL: Unit L(NW/SW), 1855' FSL & 1020' FWL Surface: Latitude: 36.674019° N (NAD83) Longitude: 107.803059° W BHL : Latitude: 36.674334° N (NAD83) Longitude: 107.799634 °W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 9, T28N, R9W API # 30-045- 35413	
14. Distance in Miles from Nearest Town 21.4 miles from Bloomfield, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1020'		
16. Acres in Lease 1198.280	 H₂S POTENTIAL EXIST	17. Acres Assigned to Well 340.52 acres DK 272.08 acres MV
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 71.7' from Jackson Com 1E (Basin DK)		
19. Proposed Depth 7849	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6610' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Marie E. Jaramillo (Staff Regulatory Tech)	9/26/12 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY  TITLE AFM DATE 12/13/12

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 NMB-000015 and NMB-000089

This action is subject to technical and

DRILLING OPERATIONS AUTHORIZED ARE

PC

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

RECEIVED**SEP 26 2012**

Form C-102

Revised July 16, 2010

Submit one copy to appropriate

District Office

Farmington Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 38418		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA / BLANCO MEASVERDE	
⁴ Property Code 31814		⁵ Property Name JACKSON COM			⁶ Well Number 1N
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6610

¹⁰ SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	9	28-N	9-W	4	1738	SOUTH	15	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	9	28-N	9-W	4	1855	SOUTH	1020	WEST	SAN JUAN

¹² Dedicated Acres 340.52 - DK 272.08 - MV	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-1814 DK	<i>MV NSL 1120 A mm</i>
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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

WELL FLAG
NAD 83
LAT: 36.674019° N
LONG: 107.803059° W
NAD 27
LAT: 36°40.440782' N
LONG: 107°48.146568' W

BOTTOM HOLE
NAD 83
LAT: 36.674334° N
LONG: 107.799634° W
NAD 27
LAT: 36°40.459673' N
LONG: 107°47.941090' W

DAKOTA LEASE (340.52)

SECTION 8
USA NM-01772-A
USA NM-04202

SECTION 9
USA NM-04202
USA NM-04202

MEASVERDE LEASE (272.08)
(ALL SECTION 9)

BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.

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.

Brandie Blakley 12-26-10
Signature Date

Brandie Blakley
Printed Name

Staff Regulatory Tech
Title and E-mail Address

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: 10/19/10
Signature and Seal of Professional Surveyor:

Henry P. Roadhouse
11/3/10
PROFESSIONAL SURVEYOR

Certificate Number: NM 11393

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No.

NM-04202

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

Jackson Com 1N

9. API Well No.

30-045-35415

10. Field and Pool or Exploratory Area

Blanco MV / Basin DK

11. Country or Parish, State

San Juan, New Mexico

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

ConocoPhillips Company

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Unit L (NW/SW), 1738' FSL & 15' FWL, Sec. 9, T28N, R9W

Bottomhole Unit L (NW/SW), 1539' FSL & 1020' FWL, Sec. 9, T28N, R9W

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water Shut-Off☐ Subsequent Report☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☐ Final Abandonment Notice☐ Casing Repair☐ New Construction☐ Recomplete☒ Other BHL Changed☐ Change Plans☐ Plug and Abandon☐ Temporarily Abandon☐ Convert to Injection☐ Plug Back☐ Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

The bottomhole location was changed from the approved APD BHL 1855'FSL & 1020' FWL to 1539' FSL & 1020' FWL to avoid NSL for this well. Please see attached revised plat, project proposal and directional plan/plot. Also note the correct TD is 7489' from the APD approved depth of 7849'.

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

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

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Arleen White

Title Staff Regulatory Technician

Signature

Arleen White

Date

12/27/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy L. Salyers

Title

Petroleum Engineer

Date

12/28/12

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

(Instruction on page 2)

OPERATOR

PROJECT PROPOSAL - Completion

San Juan Business Unit

JACKSON COM 1N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0054				AFE \$:	
Field Name: SAN JUAN		Rig:		State: NM	County: SAN JUAN		API #: 3004535415
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: 36.674012	Longitude: -107.802443	X:	Y:	Section: 09		Range: 009W	
Footage X: 15 FWL	Footage Y: 1738 FSL	Elevation: 6610	(FT)	Township: 028N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.674327	Longitude: -107.799018	X:	Y:	Section: 09		Range: 009W	
Footage X: 1020 FWL	Footage Y: 1539 FSL	Elevation:	(FT)	Township: 028N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6625		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6425		☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 125 cuft. Circulate cement to surface.
OJO ALAMO	1802	4823		☐			
KIRTLAND	1969	4656		☐			
FRUITLAND	2417	4208		☐			Possible Gas
PICTURED CLIFFS	2917	3708		☐			
LEWIS	3071	3554		☐			
HUERFANITO BENTONITE	3510	3115		☐			
CHACRA	3881	2744		☐			
UPPER CLIFF HOUSE	4525	2100		☐			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	4578	2047		☐	533		Gas
MENELEE	4607	2018		☐			Est. Top Perf - 4807 (1818)
Intermediate Casing	4757	1868		☐			135 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1090 cuft. Circulate cement to surface.
POINT LOOKOUT	5219	1406		☐			
MANCOS	5558	1067		☐			
UPPER GALLUP	6395	230		☐			
GREENHORN	7167	-542		☐			
GRANEROS	7233	-608		☐			
TWO WELLS	7295	-670		☐	2009		Gas
PAGUATE	7353	-728		☐			
UPPER CUBERO	7375	-750		☐			
LOWER CUBERO	7385	-760		☐			

PROJECT PROPOSAL - Completion

JACKSON COM 1N

DEVELOPMENT

ENCINAL	7459	-834	☐	TD - 30' below T/ENCN; Est. Btm Perf ~7474' based on offset wells
Total Depth	7489	-864	☐	187 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 370 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Jackson Com 1	28N 9W 9 SW SE
Production	State N1	29N 9W 32 SW SW
Production	State Gas Com BP 1E	29N 9W 32 SE NW SE
Production	Jackson Com 1E	28N 9W 8 SE NE SE

Logging Program:

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

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

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips SJB

San Juan Basin - New Mexico West Wells

Other Named Wells

Jackson Com #1N

Jackson Com #1N

Plan: Plan #1

Standard Planning Report

21 December, 2012

ConocoPhillips

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico West Wells
Site: Other Named Wells
Well: Jackson Com #1N
Wellbore: Jackson Com #1N
Design: Plan #1

Local Co-ordinate Reference: Well Jackson Com #1N
TVD Reference: WELL @ 6625.0usft (Original Well Elev)
MD Reference: WELL @ 6625.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	Other Named Wells				
Site Position:		Northing:	2,108,178.26 usft	Latitude:	36° 47' 33.793 N
From:	Lat/Long	Easting:	643,887.63 usft	Longitude:	107° 20' 30.932 W
Position Uncertainty:	15.0 usft	Slot Radius:	6-1/8"	Grid Convergence:	0.29 °

Well	Jackson Com #1N, S Curve Short				
Well Position	+N-S	0.0 usft	Northing:	2,084,595.53 usft	Latitude: 36° 40' 28.447 N
	+E-W	0.0 usft	Easting:	509,058.87 usft	Longitude: 107° 48' 8.794 W
Position Uncertainty	3.0 usft	Wellhead Elevation:	usft	Ground Level:	6,610.0 usft

Wellbore	Jackson Com #1N				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	5/26/2011	9.89	63.44	50,692

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.0	0.0	0.0	101.31

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,503.9	21.08	101.31	1,480.3	-37.6	187.9	2.00	2.00	0.00	101.31	
3,468.2	21.08	101.31	3,313.2	-176.1	880.7	0.00	0.00	0.00	0.00	
4,170.8	0.00	0.00	4,000.0	-201.2	1,006.0	3.00	-3.00	0.00	180.00	Jackson Com #1N - P
4,927.8	0.00	0.00	4,757.0	-201.2	1,006.0	0.00	0.00	0.00	0.00	Jackson Com #1N- IC
7,659.8	0.00	0.00	7,489.0	-201.2	1,006.0	0.00	0.00	0.00	0.00	Jackson Com #1N-PC

ConocoPhillips

Planning Report

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 TVD Reference: WELL @ 6625.0usft (Original Well Elev)
 MD Reference: WELL @ 6625.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
Surface										
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	1.00	101.31	500.0	-0.1	0.4	0.4	2.00	2.00	0.00	
600.0	3.00	101.31	599.9	-0.8	3.8	3.9	2.00	2.00	0.00	
700.0	5.00	101.31	699.7	-2.1	10.7	10.9	2.00	2.00	0.00	
800.0	7.00	101.31	799.1	-4.2	20.9	21.4	2.00	2.00	0.00	
900.0	9.00	101.31	898.2	-6.9	34.6	35.3	2.00	2.00	0.00	
1,000.0	11.00	101.31	996.6	-10.3	51.6	52.6	2.00	2.00	0.00	
1,100.0	13.00	101.31	1,094.4	-14.4	72.0	73.4	2.00	2.00	0.00	
1,200.0	15.00	101.31	1,191.5	-19.1	95.7	97.6	2.00	2.00	0.00	
1,300.0	17.00	101.31	1,287.6	-24.6	122.7	125.2	2.00	2.00	0.00	
1,400.0	19.00	101.31	1,382.7	-30.6	153.0	156.1	2.00	2.00	0.00	
1,500.0	21.00	101.31	1,476.6	-37.3	186.6	190.3	2.00	2.00	0.00	
1,503.9	21.08	101.31	1,480.3	-37.6	187.9	191.7	2.00	2.00	0.00	
1,600.0	21.08	101.31	1,570.0	-44.4	221.8	226.2	0.00	0.00	0.00	
1,700.0	21.08	101.31	1,663.3	-51.4	257.1	262.2	0.00	0.00	0.00	
1,800.0	21.08	101.31	1,756.6	-58.5	292.4	298.2	0.00	0.00	0.00	
1,848.7	21.08	101.31	1,802.0	-61.9	309.5	315.7	0.00	0.00	0.00	
Ojo Alamo										
1,900.0	21.08	101.31	1,849.9	-65.5	327.6	334.1	0.00	0.00	0.00	
2,000.0	21.08	101.31	1,943.2	-72.6	362.9	370.1	0.00	0.00	0.00	
2,027.7	21.08	101.31	1,989.0	-74.5	372.7	380.0	0.00	0.00	0.00	
Kirtland										
2,100.0	21.08	101.31	2,036.5	-79.6	398.2	406.1	0.00	0.00	0.00	
2,200.0	21.08	101.31	2,129.8	-86.7	433.4	442.0	0.00	0.00	0.00	
2,300.0	21.08	101.31	2,223.1	-93.7	468.7	478.0	0.00	0.00	0.00	
2,400.0	21.08	101.31	2,316.4	-100.8	504.0	513.9	0.00	0.00	0.00	
2,500.0	21.08	101.31	2,409.7	-107.9	539.2	549.9	0.00	0.00	0.00	
2,507.8	21.08	101.31	2,417.0	-108.4	542.0	552.7	0.00	0.00	0.00	
Fruitland										
2,600.0	21.08	101.31	2,503.1	-114.9	574.5	585.9	0.00	0.00	0.00	
2,700.0	21.08	101.31	2,596.4	-122.0	609.8	621.8	0.00	0.00	0.00	
2,800.0	21.08	101.31	2,689.7	-129.0	645.0	657.8	0.00	0.00	0.00	
2,900.0	21.08	101.31	2,783.0	-136.1	680.3	693.8	0.00	0.00	0.00	
3,000.0	21.08	101.31	2,876.3	-143.1	715.5	729.7	0.00	0.00	0.00	
3,043.6	21.08	101.31	2,917.0	-148.2	730.9	745.4	0.00	0.00	0.00	
Pictured Cliffs										
3,100.0	21.08	101.31	2,969.6	-150.2	750.8	765.7	0.00	0.00	0.00	
3,200.0	21.08	101.31	3,062.9	-157.2	786.1	801.6	0.00	0.00	0.00	
3,208.7	21.08	101.31	3,071.0	-157.8	789.1	804.8	0.00	0.00	0.00	
Lewis										
3,300.0	21.08	101.31	3,156.2	-164.3	821.3	837.6	0.00	0.00	0.00	
3,400.0	21.08	101.31	3,249.5	-171.3	856.6	873.6	0.00	0.00	0.00	
3,468.2	21.08	101.31	3,313.2	-176.1	880.7	898.1	0.00	0.00	0.00	
3,500.0	20.12	101.31	3,342.9	-178.3	891.6	909.3	3.00	-3.00	0.00	
3,600.0	17.12	101.31	3,437.7	-184.6	922.9	941.2	3.00	-3.00	0.00	
3,675.2	14.87	101.31	3,510.0	-188.7	943.3	962.0	3.00	-3.00	0.00	
Huerfano Bentonite										

ConocoPhillips

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 MD Reference: WELL @ 6625.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,700.0	14.12	101.31	3,534.0	-189.9	949.3	968.1	3.00	-3.00	0.00
3,800.0	11.12	101.31	3,631.6	-194.2	970.8	990.0	3.00	-3.00	0.00
3,900.0	8.12	101.31	3,730.1	-197.5	987.2	1,008.7	3.00	-3.00	0.00
4,000.0	5.12	101.31	3,829.5	-199.7	998.5	1,018.2	3.00	-3.00	0.00
4,051.7	3.57	101.31	3,881.0	-200.5	1,002.3	1,022.2	3.00	-3.00	0.00
Chacra									
4,100.0	2.12	101.31	3,929.2	-201.0	1,004.7	1,024.6	3.00	-3.00	0.00
4,170.8	0.00	0.00	4,000.0	-201.2	1,006.0	1,025.9	3.00	-3.00	0.00
4,200.0	0.00	0.00	4,029.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,300.0	0.00	0.00	4,129.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,400.0	0.00	0.00	4,229.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,500.0	0.00	0.00	4,329.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,600.0	0.00	0.00	4,429.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,695.8	0.00	0.00	4,525.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
Upper Cliff House									
4,700.0	0.00	0.00	4,529.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,748.8	0.00	0.00	4,578.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
Massive Cliff House									
4,777.8	0.00	0.00	4,607.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
Menefee									
4,800.0	0.00	0.00	4,629.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,900.0	0.00	0.00	4,729.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
4,927.8	0.00	0.00	4,757.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
Intermediate									
5,000.0	0.00	0.00	4,829.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,100.0	0.00	0.00	4,929.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,200.0	0.00	0.00	5,029.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,300.0	0.00	0.00	5,129.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,389.8	0.00	0.00	5,219.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
Point Lookout									
5,400.0	0.00	0.00	5,229.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,500.0	0.00	0.00	5,329.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,429.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,529.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,728.8	0.00	0.00	5,558.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
Mancos									
5,800.0	0.00	0.00	5,629.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,729.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,829.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,100.0	0.00	0.00	5,929.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,029.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,129.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,229.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,329.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,565.8	0.00	0.00	6,395.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
Upper Gallup									
6,600.0	0.00	0.00	6,429.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,529.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,629.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,729.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,829.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00
7,100.0	0.00	0.00	6,929.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

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Survey Calculation Method: Minimum Curvature

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,200.0	0.00	0.00	7,029.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,129.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
7,337.8	0.00	0.00	7,167.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Greenhorn										
7,400.0	0.00	0.00	7,229.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
7,403.8	0.00	0.00	7,233.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Graneros										
7,465.8	0.00	0.00	7,295.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Two Wells										
7,500.0	0.00	0.00	7,329.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
7,523.8	0.00	0.00	7,353.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Paguato										
7,545.8	0.00	0.00	7,375.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Upper Cubero										
7,555.8	0.00	0.00	7,385.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Lower Cubero										
7,600.0	0.00	0.00	7,429.2	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
7,629.8	0.00	0.00	7,459.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Encinal										
7,659.8	0.00	0.00	7,489.0	-201.2	1,006.0	1,025.9	0.00	0.00	0.00	
Production										

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Jackson Com #1N - Prel	0.00	359.98	4,000.0	-201.2	1,006.0	2,064,394.34	510,064.74	36° 40' 24.454 N	107° 47' 58.447 W	
- plan hits target center										
- Point										
Jackson Com #1N- ICP	0.00	359.98	4,757.0	-201.2	1,006.0	2,064,394.34	510,064.74	36° 40' 24.454 N	107° 47' 58.447 W	
- plan hits target center										
- Point										
Jackson Com #1N-PCP	0.00	359.98	7,489.0	-201.2	1,006.0	2,064,394.34	510,064.74	36° 40' 24.454 N	107° 47' 58.447 W	
- plan hits target center										
- Point										

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")		
4,927.8	4,757.0	Intermediate	7	8-3/4		
7,659.8	7,489.0	Production	4-1/2	6-1/4		
200.0	200.0	Surface	9-5/8	12-1/4		

ConocoPhillips

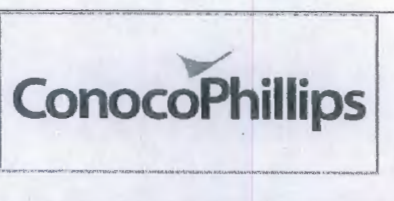
Planning Report

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North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,777.8	4,607.0	Menefee		0.00	
4,748.8	4,578.0	Massive Cliff House		0.00	
7,523.8	7,353.0	Paguate		0.00	
7,403.8	7,233.0	Graneros		0.00	
3,675.2	3,510.0	Huerfanito Bentonite		0.00	
7,629.8	7,459.0	Encinal		0.00	
3,043.6	2,917.0	Pictured Cliffs		0.00	
1,848.7	1,802.0	Ojo Alamo		0.00	
5,389.8	5,219.0	Point Lookout		0.00	
7,545.8	7,375.0	Upper Cubero		0.00	
6,565.8	6,395.0	Upper Gallup		0.00	
5,728.8	5,558.0	Mancos		0.00	
2,507.8	2,417.0	Fruitland		0.00	
4,695.8	4,525.0	Upper Cliff House		0.00	
7,465.8	7,295.0	Two Wells		0.00	
2,027.7	1,969.0	Kirtland		0.00	
3,208.7	3,071.0	Lewis		0.00	
7,555.8	7,385.0	Lower Cubero		0.00	
7,337.8	7,167.0	Greenhorn		0.00	
4,051.7	3,881.0	Chacra		0.00	

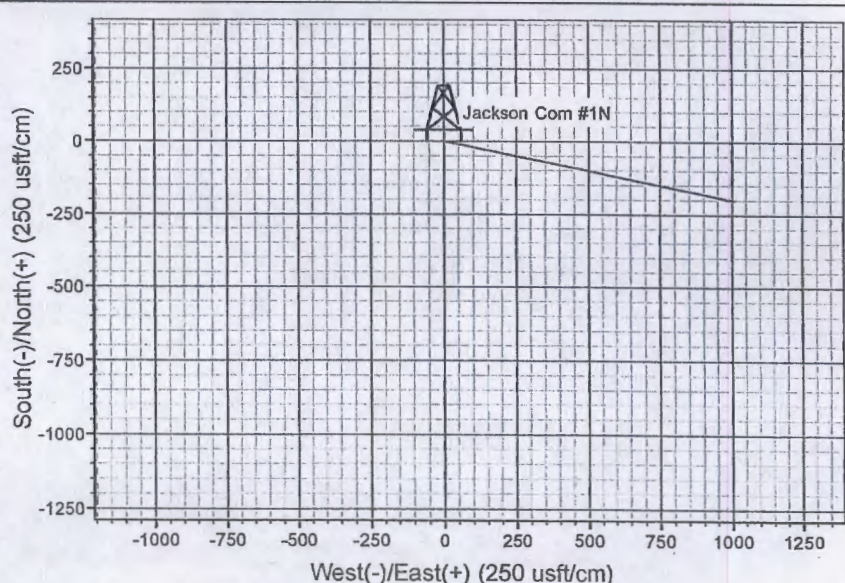
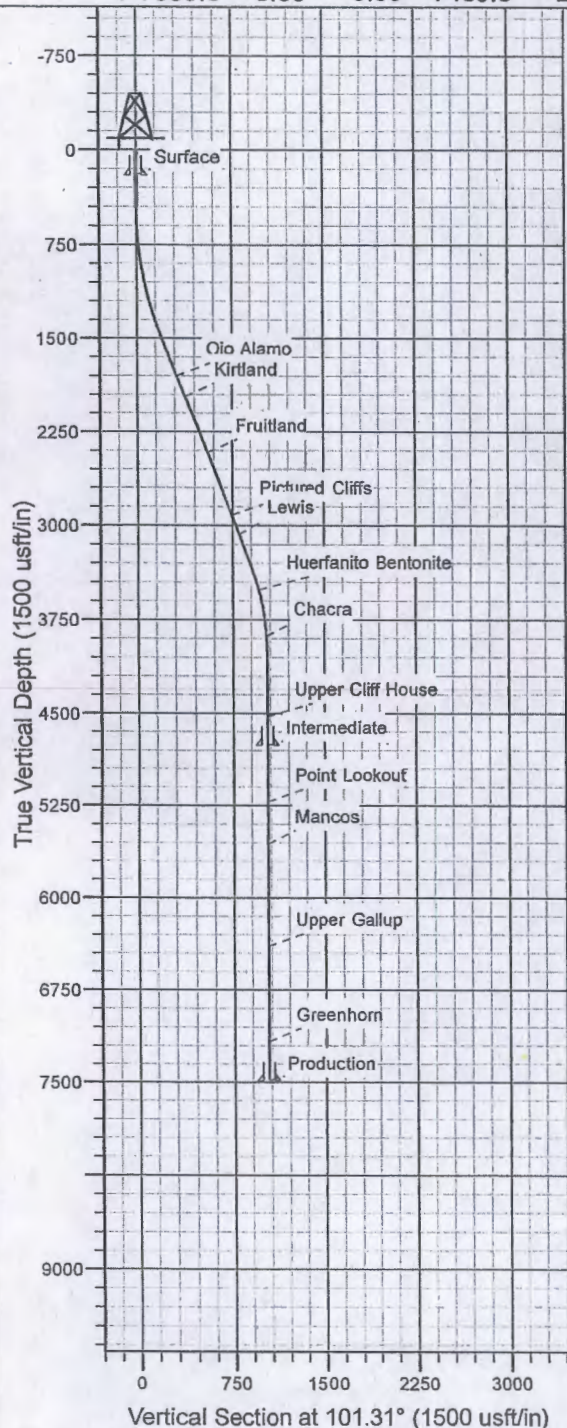
REFERENCE INFORMATION WELL @ 6625.0usft (Original Well Elev) Ground Elevation 6610.0 Reference Lat: 36° 40' 26.447 N Reference Long: 107° 48' 8.794 W	Project: San Juan Basin - New Mexico West V Site: Other Named Wells Well: Jackson Com #1N Wellbore: Jackson Com #1N Design: Plan #1	
--	---	--

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.0	
3	1503.9	21.08	101.31	1480.3	-37.6	187.9	2.00	101.31	191.7	
4	3468.2	21.08	101.31	3313.2	-176.1	880.7	0.00	0.00	898.1	
5	4170.8	0.00	0.00	4000.0	-201.2	1006.0	3.00	180.00	1025.9	Jackson Com #1N - PreICP
6	4927.8	0.00	0.00	4757.0	-201.2	1006.0	0.00	0.00	1025.9	Jackson Com #1N- ICP
7	7659.8	0.00	0.00	7489.0	-201.2	1006.0	0.00	0.00	1025.9	Jackson Com #1N-PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1802.0	1848.7	Ojo Alamo
1969.0	2027.7	Kirtland
2417.0	2507.8	Fruitland
2917.0	3043.6	Pictured Cliffs
3071.0	3208.7	Lewis
3510.0	3675.2	Huerfanito Ben
3881.0	4051.7	Chacra
4525.0	4695.8	Upper Cliff Hou
4578.0	4748.8	Massive Cliff H
4607.0	4777.8	Menefee
5219.0	5389.8	Point Lookout
5558.0	5728.8	Mancos
6395.0	6565.8	Upper Gallup
7167.0	7337.8	Greenhorn
7233.0	7403.8	Graneros
7295.0	7465.8	Two Wells
7353.0	7523.8	Paguate
7375.0	7545.8	Upper Cubero
7385.0	7555.8	Lower Cubero
7459.0	7629.8	Encinal



Jackson Com IN
30-045 - 35415



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
6251 College Blvd., Suite A
Farmington, New Mexico 87402



IN REPLY REFER TO:
APD Reinstatement

June 24, 2014

Dear Mr. Bruner,

By letter dated May 9 2014, you requested reinstatement of 12 Applications for Permit to Drill (APDs) for wells that were inadvertently rescinded due to an administrative oversight. You indicate that all of these wells are considered essential to commence an active drilling program here in the San Juan Basin.

After due consideration, the APDs on the attached list are hereby reinstated effective June 24, 2014. These APDs are now considered to be in full force and effect and have the remaining time before the original APD expiration or one full year, whichever is greater. The first four wells listed below were refiled as new well proposals and these four will be granted a full two (2) extension.

Please be advised that this is a onetime authorization and further extensions beyond the provisions granted above will be denied. Please ensure that this authorization is attached to each APD and posted onsite during drilled operations. If you have any question please contact me at (505) 564-7731.

Sincerely,

Dave Mankiewicz
Assistant Field Manager, Minerals

CC: NMOCD

Application for Permit to Drill Reinstatements:

- 1) San Juan 27-4 Unit # 102P, located in D, Section 33-27N-4W., on Federal oil and gas lease NMSF-080675.
- 2) Grenier B # 3P, located in O, Section 5-29N-10W., on Federal oil and gas lease NMNM-03561.
- 3) East # 6N, located in F, Section 23-31N-12W., on Federal oil and gas lease NMSF-077652.
- 4) Hare # 16N, located in G, Section 3-29N-10W., on Federal oil and gas lease NMSF-076958.
 - Note: the above four APDs were approved on June 24, 2014, and have a new expiration date of June 24, 2016.
- 5) San Juan 28-7 Unit # 99N, located in N, Section 29-27N-7W., and has a new expiration date of June 24, 2015.
- 6) San Juan 28-7 Unit #237P, located in J, Section 19-27N-7W., and has a new expiration date of June 24, 2015.
- 7) San Juan 28-7 Unit #100P, located in A, Section 30-27N-7W., and has a new expiration date of June 24, 2015.
- 8) San Juan 27-5 Unit #115P, located in G, Section 23-27N-5W., and has a new expiration date of June 24, 2015.
- 9) San Juan 29-7 Unit #84M, located in O, Section 1-29N-7W., and has a new expiration date of June 24, 2015.
- 10) Jackson Com #1N, located in L, Section 9-28N-9W., and has a new expiration date of June 24, 2015.
- 11) Thompson #8N, located in F, Section 28-31N-12W., and has a new expiration date of June 24, 2015.
- 12) Day #5N, located in O, Section 18-29N-8W., and has a new expiration date of June 24, 2015.

- YR
- ECS - 2 grams
- Juniper Green

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 23 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number NM - 04202 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Jackson Com 9. Well Number 1N
4. Location of Well Surface: Unit L(NW/SW), 1738' FSL & 15' FWL BHL: Unit L(NW/SW), 1855' FSL & 1020' FWL Surface: Latitude: 36.674019° N (NAD83) Longitude: 107.803059° W BHL : Latitude: 36.674334° N (NAD83) Longitude: 107.799634 °W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 9, T28N, R9W API # 30-045- 35415
14. Distance in Miles from Nearest Town 21.4 miles from Bloomfield, NM	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 1020'	13. State NM
16. Acres in Lease 1198.280	17. Acres Assigned to Well 340.52 acres DK 272.08 acres MV
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 71.7' from Jackson Com 1E (Basin DK)	
19. Proposed Depth 7849	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6610' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>[Signature]</i> Marie E. Jaramillo (Staff Regulatory Tech)	Date 9/26/12

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *[Signature]* TITLE **AFM** DATE **12/13/12**

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 NMB-000015 and NMB-000089

This action is subject to technical and

DRILLING OPERATIONS AUTHORIZED ARE

pc

Certificate Number: NM 11393



ConocoPhillips
San Juan Business Unit
Land Department
P.O. Box 4289
Farmington, NM 87499-4289

MEMO FOR NSL DRILLS

DATE: January 23, 2014

OFFSET SECTIONS: E/2, Section 32, Township 29 North, Range 9 West

OFFSET OPERATOR: XTO Energy, Inc.

WELL NAME: Jackson Com 1N

LEGAL DESCRIPTION: NWSW, Sec. 9, Township 28 North, Range 9 West

ZONES: Mesaverde and Dakota

FOOTAGE: BHL: 1861' FSL & 1002' FWL

TYPE OF DRILL: Directional

COUNTY: San Juan County

STATE: New Mexico

SETBACK FOR WELL: 660 foot setback for this well

Remarks: Encroaching on E/2 of Sec. 32, Township 29 North, Range 9 West only. We are in excess of 1,012 feet from SW/4 of Sec 33, Township 29 North, Range 9 West and in excess of 1,760 feet from the SE/4W/2 Sec. 33, Township 29 North, Range 9 West.

As to the E/2, Sec. 32, Township 29 North, Range 9 West, there are currently four (4) producing Mesaverde wells and four (4) producing Dakota wells. Three of these wells are Mesaverde/Dakota commingled wells.

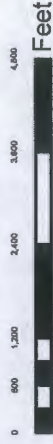
API	Operator	Wellname	Producing Zones	Bottom Hole Location
3004507705	XTO ENERGY INC.	STATE GAS COM O #1	Mesaverde	H-32-T29N-R9W
3004525557	XTO ENERGY INC.	STATE GAS COM BP #1E	Mesaverde/Dakota	J-32-T29N-R9W
3004531151	XTO ENERGY INC.	STATE GAS COM BP #1F	Mesaverde/Dakota	I-32-T29N-R9W
3004532002	XTO ENERGY INC.	STATE GAS COM BP #1G	Mesaverde/Dakota	B-32-T29N-R9W
3004524881	XTO ENERGY INC.	STATE GAS COM BP #1	Dakota	G-32-T29N-R9W

Legend

P2000

FORMATION

- FRUITLAND COAL
- PICTURED CLIFFS
- CHACRA
- MESAVERDE
- MANCOS
- GALLUP
- DAKOTA



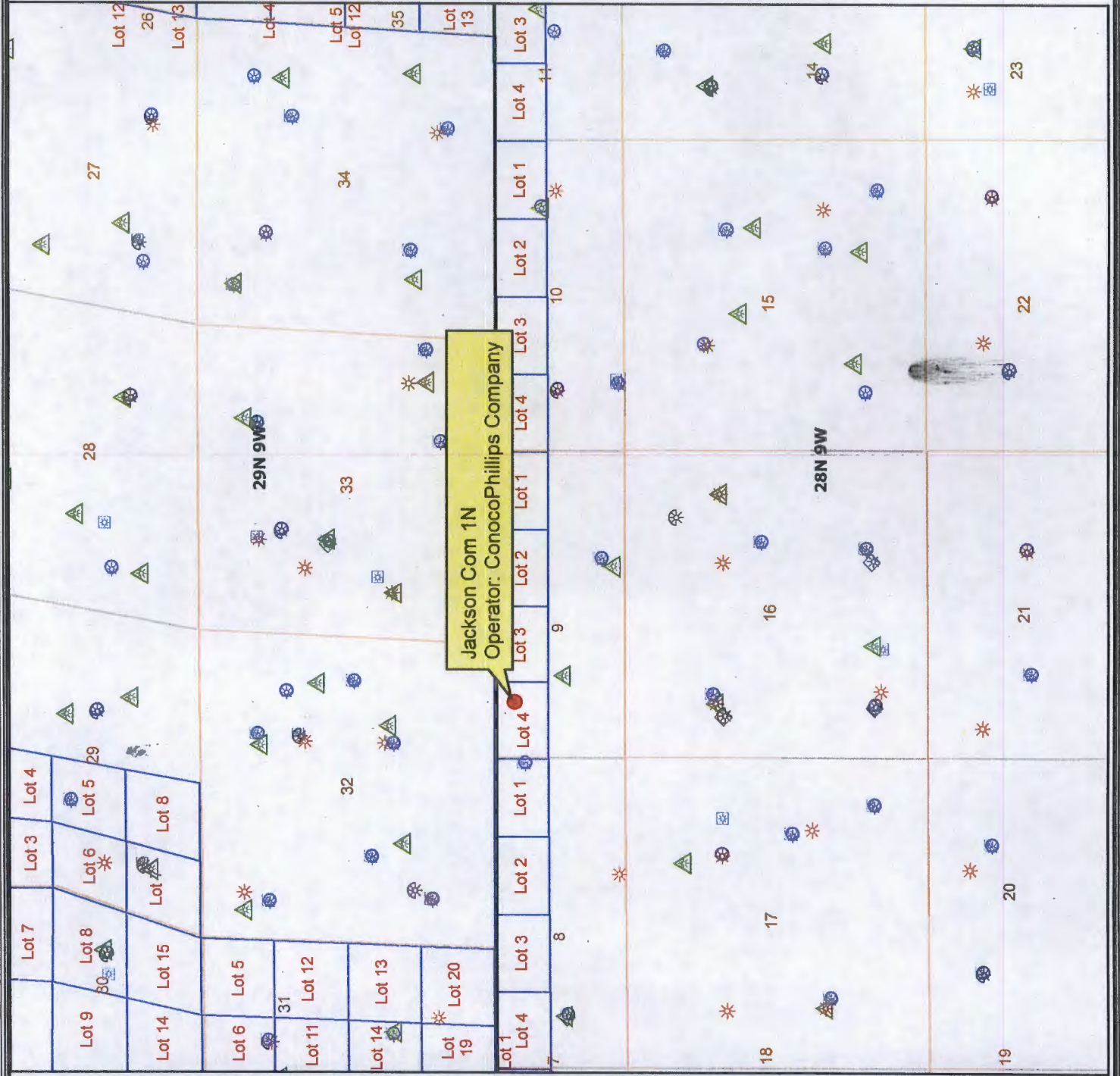
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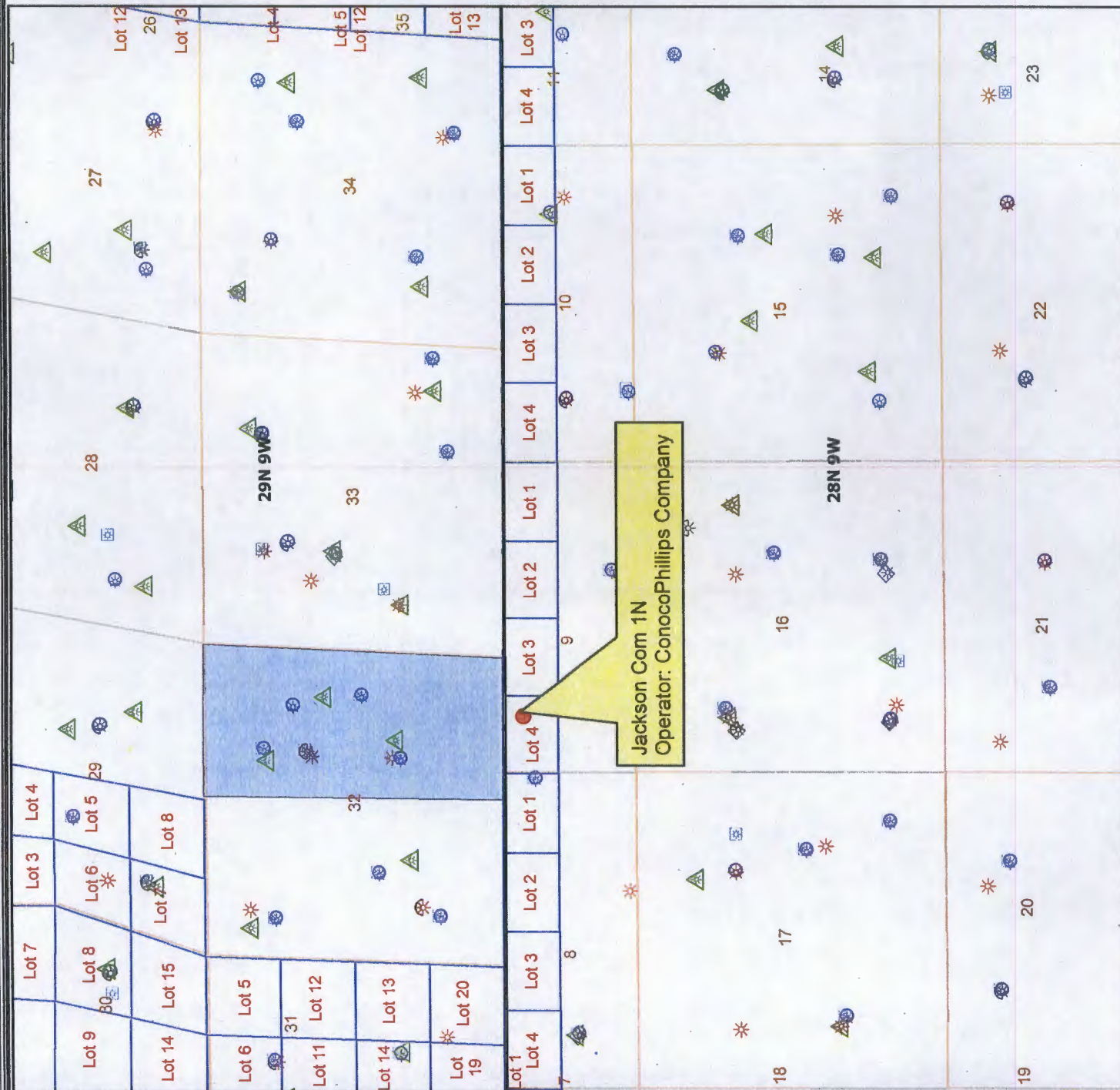
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© Unpublished Work, ConocoPhillips

Jackson Com 1N Sec. 9-T28N-R9W San Juan County, NM Nine Section Plat





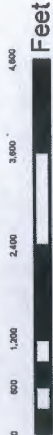
Legend

P2000

FORMATION

- FRUITLAND COAL
- PICTURED CLIFFS
- CHACRA
- MESAVERDE
- MANCOS
- GALLUP
- DAKOTA

Offset Operator: XTO



1:30,133

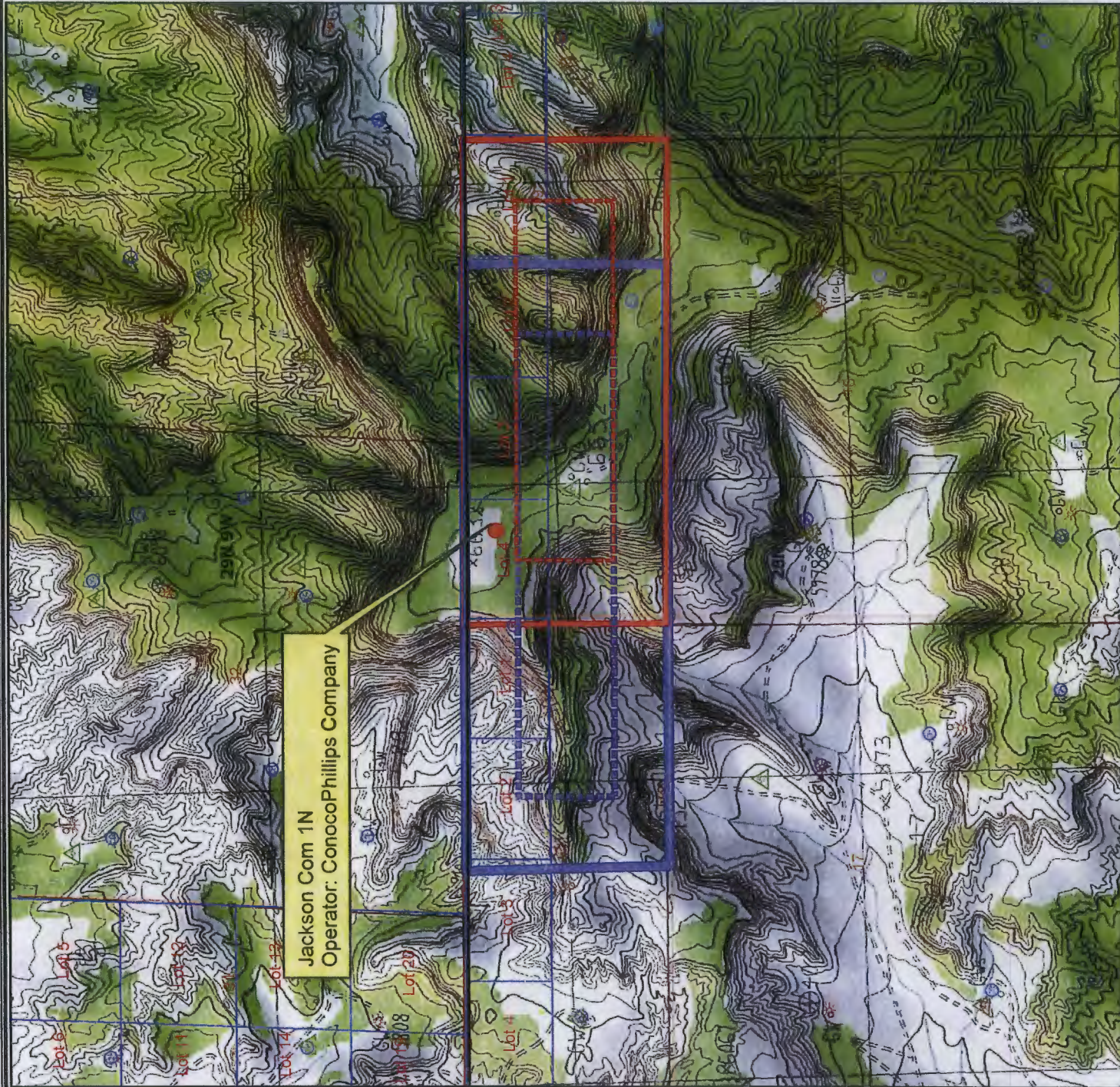
NAD_1927_StatePlane_New_Mexico_West_FIPS_3003



© Unpublished Work, ConocoPhillips

Jackson Com 1N
Sec. 9-T28N-R9W
San Juan County, NM
Nine Section Plat

Jackson Com 1N
Operator: ConocoPhillips Company

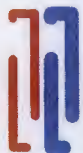


Legend

P2000

FORMATION

- FRUITLAND COAL
- PICTURED CLIFFS
- CHACRA
- MESAVERDE
- MANCOS
- GALLUP
- DAKOTA



Mesaverde Setback 660'

Dakota Setback 660'



Feet

1:19,517

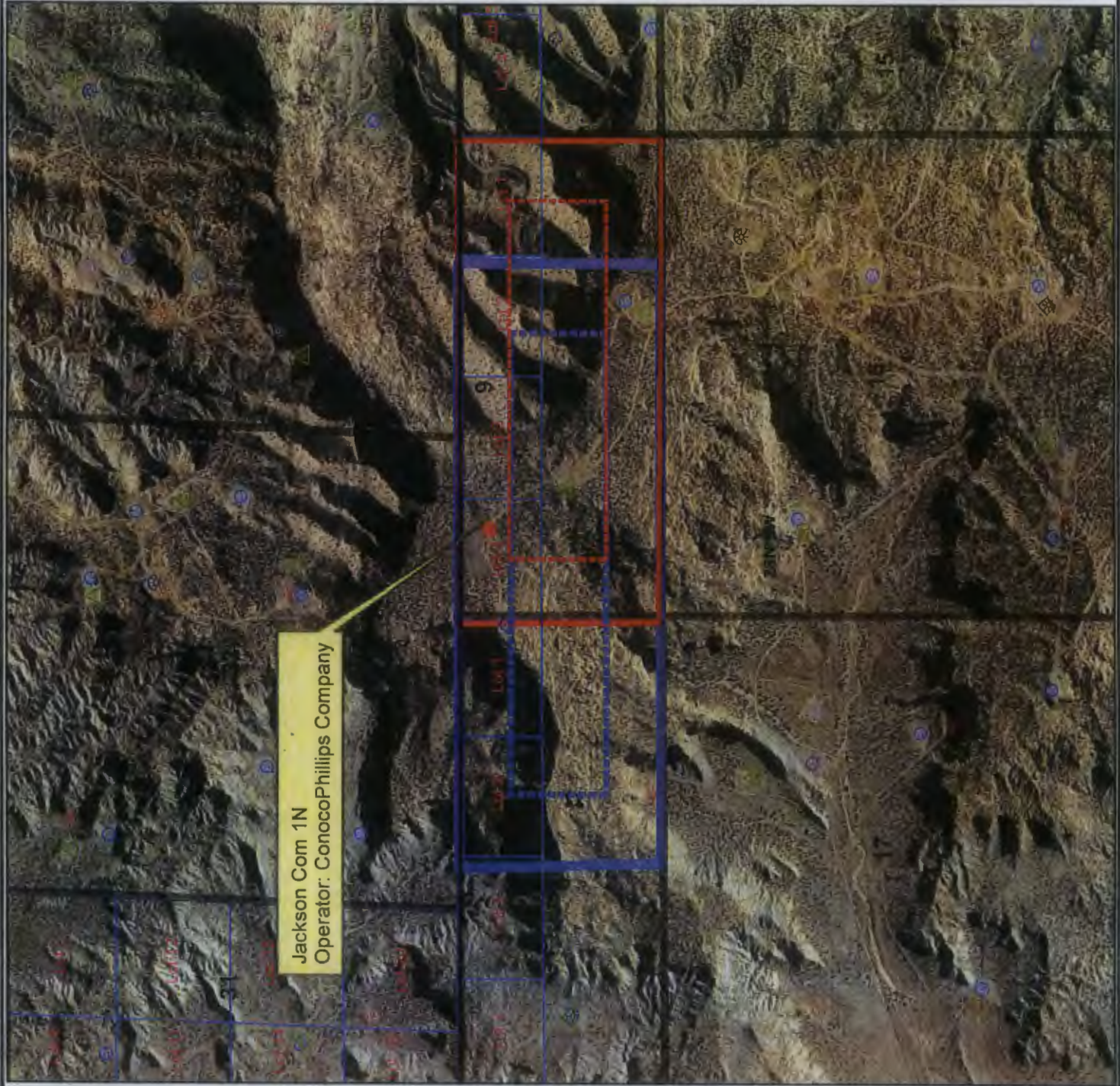
1" = 1,626'

NAD_1927_StatePlane_New_Mexico_West_FIPS_3003



© Unpublished Work, ConocoPhillips

Jackson Com 1N
Sec. 9-T28N-R9W
San Juan County, NM
Nine Section Plat



Jackson Com 1N
Operator: ConocoPhillips Company

Legend

P2000

FORMATION

-  FRUITLAND COAL
-  PICTURED CLIFFS
-  CHACRA
-  MESAVERDE
-  MANCOS
-  GALLUP
-  DAKOTA



Mesaverde Setback 660'

Dakota Setback 660'



1:19,517

NAD_1927_StatePlane_New_Mexico_West_FIPS_3003



© Unpublished Work, ConocoPhillips

Jackson Com 1N
Sec. 9-T28N-R9W
San Juan County, NM
Nine Section Plat



COP Deviation Report

JACKSON COM #1N

Operator CONOCOPHILLIPS COMPANY	Legal Well Name JACKSON COM #1N	API / UWI 3004535415	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 009-028N-009W-L		N/S Dist (ft) 1,738.00	N/S Ref FSL	E/W Dist (ft) 15.00 E/W Ref FWL

Date 12/11/2014	Description INCLINATION SURVEY
--------------------	-----------------------------------

Survey Data					
Date	MD (ftKB)	Incl (")	Azm (")	Method	Survey Company
12/11/2014	171.00	0.10	0.00	Inc-Drop	MO-TE DRILLING INC
12/11/2014	331.00	0.80	0.00	Inc-Drop	MO-TE DRILLING INC
12/11/2014	470.00	0.70	0.00	Inc-Drop	MO-TE DRILLING INC
12/31/2014	7,594.00	2.00	0.00	Inc-Drop	Phoenix Services LLC

Date 12/20/2014	Description DIRECTIONAL SURVEY
--------------------	-----------------------------------

Survey Data					
Date	MD (ftKB)	Incl (")	Azm (")	Method	Survey Company
12/21/2014	490.00	1.10	309.40	IncAzi-MWD	CATHEDRAL
12/21/2014	521.00	0.90	326.20	IncAzi-MWD	CATHEDRAL
12/21/2014	551.00	0.80	11.70	IncAzi-MWD	CATHEDRAL
12/22/2014	581.00	1.20	38.40	IncAzi-MWD	CATHEDRAL
12/22/2014	612.00	1.60	45.90	IncAzi-MWD	CATHEDRAL
12/22/2014	642.00	2.30	58.40	IncAzi-MWD	CATHEDRAL
12/22/2014	673.00	2.90	67.20	IncAzi-MWD	CATHEDRAL
12/22/2014	704.00	3.80	75.50	IncAzi-MWD	CATHEDRAL
12/22/2014	735.00	4.90	78.30	IncAzi-MWD	CATHEDRAL
12/22/2014	765.00	5.80	80.50	IncAzi-MWD	CATHEDRAL
12/22/2014	796.00	6.90	81.20	IncAzi-MWD	CATHEDRAL
12/22/2014	827.00	7.80	81.90	IncAzi-MWD	CATHEDRAL
12/22/2014	858.00	8.50	83.00	IncAzi-MWD	CATHEDRAL
12/22/2014	889.00	9.60	85.70	IncAzi-MWD	CATHEDRAL
12/22/2014	920.00	9.80	87.00	IncAzi-MWD	CATHEDRAL
12/22/2014	950.00	10.60	87.10	IncAzi-MWD	CATHEDRAL
12/22/2014	981.00	11.20	85.80	IncAzi-MWD	CATHEDRAL
12/22/2014	1,012.00	11.80	86.80	IncAzi-MWD	CATHEDRAL
12/22/2014	1,044.00	11.60	86.10	IncAzi-MWD	CATHEDRAL
12/22/2014	1,075.00	12.00	84.60	IncAzi-MWD	CATHEDRAL
12/22/2014	1,107.00	12.00	84.00	IncAzi-MWD	CATHEDRAL
12/22/2014	1,138.00	12.70	83.90	IncAzi-MWD	CATHEDRAL
12/22/2014	1,170.00	13.30	83.30	IncAzi-MWD	CATHEDRAL

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this

1/23/15

Notary Public in and for San Juan County, New Mexico

My Commission expires

10/2/16



COP Deviation Report

JACKSON COM #1N

Survey Data						
Date	MD (ftKB)	Incl (")	Azm (")	Method	Survey Company	
12/22/2014	1,202.00	14.10	83.30	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,233.00	14.60	84.80	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,265.00	15.30	85.70	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,297.00	16.00	85.70	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,328.00	16.40	84.50	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,360.00	16.70	85.00	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,392.00	17.00	83.90	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,424.00	17.80	84.00	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,456.00	18.10	83.50	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,487.00	17.90	83.80	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,519.00	18.40	85.20	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,551.00	18.90	84.40	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,583.00	19.30	85.00	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,614.00	19.90	85.60	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,646.00	20.30	83.80	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,710.00	21.40	82.30	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,774.00	22.60	82.00	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,837.00	22.70	83.20	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,901.00	22.90	82.30	IncAzi-MWD	CATHEDRAL	
12/22/2014	1,965.00	23.00	84.10	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,029.00	23.10	83.30	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,093.00	21.50	85.40	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,157.00	21.10	85.20	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,221.00	21.50	85.00	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,285.00	21.70	84.70	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,349.00	21.70	84.00	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,413.00	20.80	83.80	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,476.00	21.20	84.30	IncAzi-MWD	CATHEDRAL	
12/22/2014	2,540.00	20.80	84.50	IncAzi-MWD	CATHEDRAL	
12/23/2014	2,604.00	20.70	83.50	IncAzi-MWD	CATHEDRAL	
12/23/2014	2,668.00	20.80	82.30	IncAzi-MWD	CATHEDRAL	
12/23/2014	2,733.00	21.50	81.60	IncAzi-MWD	CATHEDRAL	
12/23/2014	2,796.00	20.50	80.70	IncAzi-MWD	CATHEDRAL	
12/23/2014	2,860.00	18.90	80.90	IncAzi-MWD	CATHEDRAL	
12/23/2014	2,924.00	18.50	80.90	IncAzi-MWD	CATHEDRAL	

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this 1/23/15

Notary Public in and for San Juan County, New Mexico

My Commission expires

10/2/16



COP Deviation Report

JACKSON COM #1N

Survey Data

Date	MD (ftKB)	Incl (")	Azm (")	Method	Survey Company
12/23/2014	2,988.00	17.30	81.70	IncAzi-MWD	CATHEDRAL
12/23/2014	3,052.00	17.00	84.00	IncAzi-MWD	CATHEDRAL
12/23/2014	3,116.00	16.90	83.30	IncAzi-MWD	CATHEDRAL
12/23/2014	3,180.00	16.10	82.90	IncAzi-MWD	CATHEDRAL
12/23/2014	3,243.00	14.30	81.90	IncAzi-MWD	CATHEDRAL
12/23/2014	3,307.00	13.60	80.90	IncAzi-MWD	CATHEDRAL
12/23/2014	3,371.00	13.40	82.30	IncAzi-MWD	CATHEDRAL
12/23/2014	3,434.00	12.30	84.30	IncAzi-MWD	CATHEDRAL
12/23/2014	3,498.00	11.90	84.50	IncAzi-MWD	CATHEDRAL
12/23/2014	3,562.00	13.40	86.70	IncAzi-MWD	CATHEDRAL
12/23/2014	3,625.00	13.90	84.30	IncAzi-MWD	CATHEDRAL
12/23/2014	3,689.00	14.30	81.60	IncAzi-MWD	CATHEDRAL
12/23/2014	3,753.00	13.00	81.60	IncAzi-MWD	CATHEDRAL
12/23/2014	3,817.00	11.20	79.50	IncAzi-MWD	CATHEDRAL
12/23/2014	3,880.00	9.50	80.20	IncAzi-MWD	CATHEDRAL
12/23/2014	3,945.00	7.50	77.50	IncAzi-MWD	CATHEDRAL
12/23/2014	4,008.00	6.50	75.10	IncAzi-MWD	CATHEDRAL
12/23/2014	4,072.00	6.20	77.70	IncAzi-MWD	CATHEDRAL
12/23/2014	4,135.00	5.60	74.70	IncAzi-MWD	CATHEDRAL
12/23/2014	4,200.00	5.70	74.00	IncAzi-MWD	CATHEDRAL
12/23/2014	4,263.00	5.20	74.30	IncAzi-MWD	CATHEDRAL
12/23/2014	4,327.00	4.90	76.00	IncAzi-MWD	CATHEDRAL
12/23/2014	4,391.00	4.70	74.00	IncAzi-MWD	CATHEDRAL
12/23/2014	4,455.00	3.60	81.10	IncAzi-MWD	CATHEDRAL
12/23/2014	4,518.00	2.40	88.00	IncAzi-MWD	CATHEDRAL
12/23/2014	4,578.00	1.90	97.00	IncAzi-MWD	CATHEDRAL
12/23/2014	4,645.00	1.80	96.90	IncAzi-MWD	CATHEDRAL
12/23/2014	4,709.00	1.80	108.90	IncAzi-MWD	CATHEDRAL
12/23/2014	4,773.00	1.80	113.70	IncAzi-MWD	CATHEDRAL
12/23/2014	4,836.00	1.60	99.50	IncAzi-MWD	CATHEDRAL
12/23/2014	4,900.00	1.50	97.30	IncAzi-MWD	CATHEDRAL
12/23/2014	4,934.00	1.70	100.40	IncAzi-MWD	CATHEDRAL
12/23/2014	4,986.00	1.70	100.40	IncAzi-MWD	CATHEDRAL PRO

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this

1/23/15

Notary Public in and for San Juan County, New Mexico

My Commission expires

10/2/16

**Conoco Phillips
San Juan Basin
Sec9-T28N-R9W
Jackson Com 1N
BHA #1**

***Cathedral Energy Services Ltd.
Survey Report***

23 December 2014

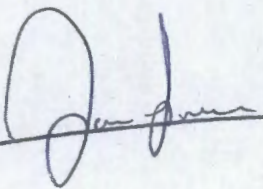
Surface Coordinates: 2064770.55 N, 2733154.60 E (36° 40' 27.5772" N, 107° 47' 56.4648" W)
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone

Surface Coordinates relative to Sec9-T28N-R9W: 0.00 N, 0.00 E (True)

RKB Elevation: 6027.00ft above Mean Sea Level
RKB Elevation: 17.00ft above San Juan Basin

RKB Elevation: 17.00ft above Ground Level
Ground Level: 6010.00ft

Survey Ref: svy178
Date of Survey: 20 December 2014

X 



Survey Report for Sec9-T28N-R9W, Jackson Com 1N, BHA #1

Survey Depth (ft)	Incl. (°)	(True) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	
490.00	1.10	309.40	489.97	2.99 N	3.63 W	-3.27	0.224
521.00	0.90	326.20	520.97	3.38 N	4.00 W	-3.59	1.138
551.00	0.80	11.70	550.96	3.78 N	4.09 W	-3.63	2.213
581.00	1.20	38.40	580.96	4.23 N	3.85 W	-3.35	2.013
612.00	1.60	45.90	611.95	4.78 N	3.34 W	-2.77	1.417
642.00	2.30	58.40	641.93	5.39 N	2.53 W	-1.90	2.717
673.00	2.90	67.20	672.90	6.02 N	1.27 W	-0.58	2.319
704.00	3.80	75.50	703.85	6.58 N	0.45 E	1.19	3.291
735.00	4.90	78.30	734.76	7.11 N	2.74 E	3.52	3.613
765.00	5.80	80.50	764.63	7.62 N	5.49 E	6.31	3.076
796.00	6.90	81.20	795.43	8.16 N	8.87 E	9.74	3.557
827.00	7.80	81.90	826.18	8.74 N	12.79 E	13.70	2.918
858.00	8.50	83.00	856.87	9.32 N	17.15 E	18.10	2.313
889.00	9.60	85.70	887.48	9.79 N	22.00 E	22.97	3.803
920.00	9.80	87.00	918.04	10.12 N	27.21 E	28.19	0.957
950.00	10.60	87.10	947.56	10.40 N	32.52 E	33.49	2.667
981.00	11.20	85.80	978.00	10.76 N	38.37 E	39.34	2.092
1012.00	11.80	86.80	1008.38	11.16 N	44.54 E	45.52	2.039
1044.00	11.60	86.10	1039.72	11.56 N	51.01 E	52.00	0.766
1075.00	12.00	84.60	1070.06	12.08 N	57.33 E	58.33	1.626
1107.00	12.00	84.00	1101.36	12.74 N	63.95 E	64.98	0.390
1138.00	12.70	83.90	1131.64	13.44 N	70.55 E	71.61	2.259
1170.00	13.30	83.30	1162.82	14.24 N	77.70 E	78.81	1.922
1202.00	14.10	83.30	1193.91	15.12 N	85.23 E	86.39	2.500
1233.00	14.60	84.80	1223.95	15.92 N	92.87 E	94.07	2.010
1265.00	15.30	85.70	1254.86	16.60 N	101.09 E	102.32	2.305
1297.00	16.00	85.70	1285.68	17.25 N	109.70 E	110.95	2.188
1328.00	16.40	84.50	1315.45	17.99 N	118.32 E	119.60	1.683
1360.00	16.70	85.00	1346.12	18.82 N	127.40 E	128.71	1.038
1392.00	17.00	83.90	1376.75	19.72 N	136.63 E	137.98	1.368
1424.00	17.80	84.00	1407.28	20.73 N	146.14 E	147.55	2.502
1456.00	18.10	83.50	1437.72	21.80 N	155.95 E	157.41	1.054
1487.00	17.90	83.80	1467.21	22.86 N	165.47 E	166.99	0.711
1519.00	18.40	85.20	1497.61	23.81 N	175.39 E	176.96	2.073
1551.00	18.90	84.40	1527.93	24.74 N	185.58 E	187.19	1.755
1583.00	19.30	85.00	1558.17	25.71 N	196.01 E	197.66	1.392
1614.00	19.90	85.60	1587.38	26.56 N	206.37 E	208.05	2.041
1646.00	20.30	83.80	1617.43	27.58 N	217.32 E	219.04	2.302
1710.00	21.40	82.30	1677.24	30.34 N	239.93 E	241.82	1.910
1774.00	22.60	82.00	1736.57	33.62 N	263.68 E	265.79	1.883
1837.00	22.70	83.20	1794.72	36.74 N	287.73 E	290.05	0.750
1901.00	22.90	82.30	1853.71	39.87 N	312.34 E	314.84	0.628
1965.00	23.00	84.10	1912.65	42.83 N	337.11 E	339.80	1.108
2029.00	23.10	83.30	1971.54	45.58 N	362.02 E	364.85	0.514
2093.00	21.50	85.40	2030.75	47.98 N	386.18 E	389.13	2.793
2157.00	21.10	85.20	2090.38	49.89 N	409.35 E	412.37	0.635
2221.00	21.50	85.00	2150.01	51.87 N	432.51 E	435.61	0.635
2285.00	21.70	84.70	2209.51	53.99 N	455.98 E	459.16	0.357
2349.00	21.70	84.00	2268.98	56.32 N	479.53 E	482.82	0.404



Survey Report for Sec9-T28N-R9W, Jackson Com 1N, BHA #1

Survey Depth (ft)	Incl. (°)	(True) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
2413.00	20.80	83.80	2328.63	58.78 N	502.59 E	506.02	1.411
2476.00	21.20	84.30	2387.44	61.12 N	525.05 E	528.59	0.696
2540.00	20.80	84.50	2447.19	63.36 N	547.87 E	551.52	0.635
2604.00	20.70	83.50	2507.04	65.73 N	570.42 E	574.20	0.575
2668.00	20.80	82.30	2566.89	68.53 N	592.92 E	596.87	0.682
2733.00	21.50	81.60	2627.51	71.82 N	616.14 E	620.31	1.145
2796.00	20.50	80.70	2686.33	75.29 N	638.45 E	642.87	1.668
2860.00	18.90	80.90	2746.58	78.74 N	659.75 E	664.42	2.502
2924.00	18.50	80.90	2807.20	81.98 N	680.01 E	684.92	0.625
2988.00	17.30	81.70	2868.10	84.96 N	699.45 E	704.57	1.914
3052.00	17.00	84.00	2929.26	87.31 N	718.17 E	723.44	1.159
3116.00	16.90	83.30	2990.48	89.38 N	736.72 E	742.10	0.355
3180.00	16.10	82.90	3051.84	91.56 N	754.76 E	760.28	1.263
3243.00	14.30	81.90	3112.63	93.74 N	771.13 E	776.79	2.887
3307.00	13.60	80.90	3174.74	96.04 N	786.39 E	792.21	1.157
3371.00	13.40	82.30	3236.98	98.22 N	801.17 E	807.14	0.599
3434.00	12.30	84.30	3298.40	99.87 N	815.08 E	821.15	1.883
3498.00	11.90	84.50	3360.98	101.18 N	828.43 E	834.56	0.628
3562.00	13.40	86.70	3423.42	102.24 N	842.40 E	848.56	2.461
3625.00	13.90	84.30	3484.64	103.41 N	857.22 E	863.42	1.199
3689.00	14.30	81.60	3546.71	105.33 N	872.69 E	879.01	1.203
3753.00	13.00	81.60	3608.91	107.53 N	887.63 E	894.10	2.031
3817.00	11.20	79.50	3671.48	109.72 N	900.87 E	907.50	2.895
3880.00	9.50	80.20	3733.45	111.72 N	912.01 E	918.79	2.708
3945.00	7.50	77.50	3797.74	113.65 N	921.43 E	928.37	3.137
4008.00	6.50	75.10	3860.27	115.36 N	928.99 E	935.98	1.653
4072.00	6.20	77.70	3923.87	117.02 N	935.77 E	943.01	0.649
4135.00	5.60	74.70	3986.54	118.56 N	942.06 E	949.43	1.070
4200.00	5.70	74.00	4051.22	120.29 N	948.22 E	955.75	0.187
4263.00	5.20	74.30	4113.94	121.92 N	953.98 E	961.65	0.795
4327.00	4.90	76.00	4177.69	123.37 N	959.42 E	967.22	0.524
4391.00	4.70	74.00	4241.47	124.75 N	964.59 E	972.52	0.407
4455.00	3.60	81.10	4305.30	125.78 N	969.10 E	977.11	1.894
4518.00	2.40	88.00	4368.21	126.14 N	972.37 E	980.40	1.986
4578.00	1.90	97.00	4428.17	126.06 N	974.62 E	982.62	1.003
4645.00	1.80	96.90	4495.13	125.80 N	976.76 E	984.73	0.149
4709.00	1.80	108.90	4559.10	125.35 N	978.71 E	986.61	0.588
4773.00	1.80	113.70	4623.07	124.62 N	980.58 E	988.39	0.236
4836.00	1.60	99.50	4686.04	124.08 N	982.36 E	990.09	0.738
4900.00	1.50	97.30	4750.02	123.82 N	984.07 E	991.76	0.182
4934.00	1.70	100.40	4784.01	123.68 N	985.01 E	992.68	0.641
Bit Projection							
4986.00	1.70	100.40	4835.98	123.40 N	986.52 E	994.15	0.000



Survey Report for Sec9-T28N-R9W, Jackson Com 1N, BHA #1

All data is in Feet (US Survey) unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to Jackson Com 1N. Northings and Eastings are relative to Sec9-T28N-R9W.

The dogleg severity is in Degrees per 100 feet (US Survey).
Vertical Section is from Sec9-T28N-R9W calculated along an azimuth of 83.49° (True).

Based upon minimum curvature calculations, at a measured depth of 4934.00ft, the bottom hole displacement is 992.74ft, in the direction of 82.84° (True).

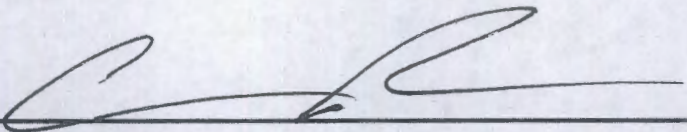
Disclaimer Notice

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Cathedral Energy Services Ltd. are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.

AFFIRMATION

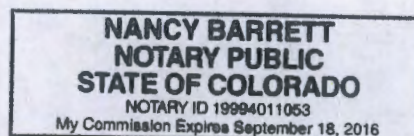
(Applicant must sign in front of a notary public)

 1/2/15
Official Signature of Applicant Date

Subscribed and sworn to or affirmed before me this 2nd day of
January, 20 15, in the county of Denver,
State of Colorado.

Nancy Barrett
Signature of Notary Public

9-18-16
Commission Expiration Date



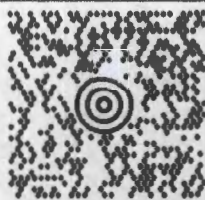
MAIL ROOM
(505) 326-9513
CONOCOPHILLIPS
3401 E. 30TH STREET
FARMINGTON NM 87402

LTR

1 OF 1

SHIP TO:

JACKSON DEAN, LANDMAN
(817) 885-3441
XTO ENERGY
810 HOUSTON STREET
FT WORTH TX 76102



TX 761 9-05



UPS NEXT DAY AIR

1

TRACKING #: 1Z 2E6 R94 01 5703 5665



BILLING: P/P

WS 16.0.31

60.0A 01/2015



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800 8 8074

Entered November 1, 1960
A.L.O.

21

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2096
Order No. R-1814

APPLICATION OF THE OIL CONSERVATION
COMMISSION ON ITS OWN MOTION TO
CONSIDER ESTABLISHING NON-STANDARD
GAS PRORATION UNITS IN THE BASIN-
DAKOTA GAS POOL IN CERTAIN PARTIAL
SECTIONS, SAN JUAN COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
October 13, 1960, at Farmington, New Mexico, before the Oil
Conservation Commission of New Mexico, hereinafter referred
to as the "Commission."

NOW, on this 4th day of November, 1960, the Commission,
a quorum being present, having considered the testimony presented
and the exhibits received at said hearing, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That, in order to ensure systematic development and
thereby prevent waste and protect correlative rights, the Commis-
sion should establish individual proration units in the Basin-
Dakota Gas Pool in the tier of partial sections lying immediately
South of the Seventh Standard Parallel North in Township 28 North,
Ranges 8 through 13 West, NMPM, San Juan County, New Mexico.

(3) That by Order No. R-1628-A an administrative procedure
was established whereby the Commission could establish a non-
standard Dakota gas proration unit consisting of all of partial
Section 7 and the W/2 W/2 of partial Section 8, Township 28 North,
Range 10 West, NMPM, San Juan County, New Mexico, which area should
be excepted from the area divided into non-standard proration
units by this order.

-4-

CASH No. 2096
Order No. R-1814

- (22) All of partial Section 11 plus Lot 4 and the SW/4 SW/4 of partial Section 12, Township 28 North, Range 9 West, comprising 334.46 acres.
- (23) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 12, Township 28 North, Range 9 West, plus Lots 4 and 5 and the SE/4 SW/4 of partial Section 7, Township 28 North, Range 8 West, comprising 312.28 acres.
- (24) Lots 1, 2 and 3 and the S/2 SE/4 of partial Section 7 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 8, Township 28 North, Range 8 West, comprising 341.36 acres.
- (25) Lots 1 and 2 and the S/2 SE/4 of partial Section 8 plus Lots 2, 3 and 4 and the S/2 SW/4 of partial Section 9, Township 28 North, Range 8 West, comprising 333.84 acres.
- (26) Lot 1 and the S/2 SE/4 of partial Section 9 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 10, Township 28 North, Range 8 West, comprising 335.11 acres.
- (27) Lot 1 and the SE/4 SE/4 of partial Section 10 plus Lots 2, 3 and 4 and the S/2 S/2 of partial Section 11, Township 28 North, Range 8 West, comprising 331.76 acres.
- (28) Lot 1 of partial Section 11 plus all of partial Section 12, Township 28 North, Range 8 West, comprising 327.87 acres.

all in San Juan County, New Mexico.

(II) That each of the above-described non-standard gas proration units shall be assigned an acreage factor for allowable purposes which shall be the ratio of the acreage in that unit to the acreage in a standard gas proration unit in the Basin-Dakota Gas Pool.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John Burroughs
JOHN BURROUGHS, Chairman

Murray E. Morgan
MURRAY E. MORGAN, Member

A. L. Porter, Jr.
A. L. PORTER, Jr., Member & Secretary

SEAL

esr/

McMillan, Michael, EMNRD

From: Clugston, Patricia L <Patsy.L.Clugston@conocophillips.com>
Sent: Monday, February 02, 2015 5:34 PM
To: McMillan, Michael, EMNRD
Subject: UPS Tracking - Proof of Delivery for the Jackson Com 1N

Hi Mike,

You asked me to send you the proof of delivery for the NSL application for the Jackson Com 1N. It looks like it was delivered on 1/26/15, so we would like the 21 day waiting period to start then. Thanks so much for your help. Have a great rest of the week.

API - 30-045-35415.



Proof of Delivery

 [Close Window](#)

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number:	1Z2E6R940157035665
Service:	UPS Next Day Air®
Shipped/Billed On:	01/23/2015
Delivered On:	01/26/2015 9:19 A.M.
Delivered To:	FORT WORTH, TX, US
Signed By:	SACKETT
Left At:	Mail Room

Thank you for giving us this opportunity to serve you.

Sincerely,

UPS

Tracking results provided by UPS: 02/02/2015 7:29 P.M. ET

 [Print This Page](#)

 [Close Window](#)

*Patsy Clugston
Staff Regulatory Technician
SJBU - ConocoPhillips
505-326-9518*

McMillan, Michael, EMNRD

From: Dean, David <David_Dean@xtoenergy.com>
Sent: Tuesday, February 10, 2015 4:01 PM
To: McMillan, Michael, EMNRD
Subject: COP NSL Application - Jackson Com 1 N; San Juan County; NM

Mr. McMillan,

ConocoPhillips filed an NSL application on January 23, 2015 relating to the Jackson Com 1N. XTO Energy is the affected party to this application. By my math, XTO's objection is due on February 12th. In order to fully evaluate the application, XTO respectfully requests an additional seven (7) days to file an objection.

Please let me know if this is acceptable.

Regards,
Jackson

D. Jackson Dean
Associate Landman – Rockies Division (San Juan)
XTO Energy Inc.
810 Houston Street
Fort Worth, Texas 76102
Phone: 817.885.6676 | Fax: 817.885.1938 | Mobile: 682.215.7065
david_dean@xtoenergy.com

An **ExxonMobil** Subsidiary

-3-
CASE No. 2096
Order No. R-1814

partial Section 7, Township 28 North, Range 11 West, comprising 335.02 acres.

- (11) All of partial Section 8 plus Lot 4 and the SW/4 SW/4 of partial Section 9, Township 28 North, Range 11 West, comprising 333.55 acres.
- (12) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 9 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 10, Township 28 North, Range 11 West, comprising 328.45 acres.
- (13) Lots 1 and 2 and the S/2 SE/4 of partial Section 10 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 11, Township 28 North, Range 11 West, comprising 323.29 acres.
- (14) Lot 1 and the SE/4 SE/4 of partial Section 11 plus all of partial Section 12, Township 28 North, Range 11 West, comprising 318.14 acres.
- (15) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 8 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 9, Township 28 North, Range 10 West, comprising 319.67 acres.
- (16) Lots 1 and 2 and the S/2 SE/4 of partial Section 9 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 10, Township 28 North, Range 10 West, comprising 322.88 acres.
- (17) Lot 1 and the SE/4 SE/4 of partial Section 10 plus all of partial Section 11, Township 28 North, Range 10 West, comprising 327.29 acres.
- (18) All of partial Section 12, Township 28 North, Range 10 West, plus Lots 4 and 5 of partial Section 7, Township 28 North, Range 9 West, comprising 322.94 acres.
- ~~*~~ (19) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 7 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 8, Township 28 North, Range 9 West, comprising 345.25 acres.
- * * (20) Lots 1 and 2 and the S/2 SE/4 of partial Section 8 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 9, Township 28 North, Range 9 West, comprising 340.52 acres.
- (21) Lot 1 and the SE/4 SE/4 of partial Section 9 and all of partial Section 10, Township 28 North, Range 9 West, comprising 338.40 acres.

TO: Mr. Micheal McMillian
NMOCD's NSL Examiner

Additional Information for the NSL application for the Jackson Com 1N

MV information

Intermediate casing setting depth will be the start of the MV interval: MD – 4934' VD – 4784'

End of Mesaverde interval: 5728' MD – 5558' VD

Legal location at both the start and end of MV production is 1861' FSL & 1002' FWL, Sec. 9, T28N, R9W

The distance from the North section line is 272' FNL & 1002' FWL, Sec. 9, T28N, R9W

DK information

Top of Dakota interval will be at the top of the Greenhorn: MD – 7404' VD – 7233'

End of Dakota interval will be at the Well's Plugback Depth: MD – 7645' VD – 7495'

Legal location at both the start and end of DK production is 1861' FSL & 1002' FWL, Sec. 9, T28N, R9W

The distance from the north section line is 272' FNL & 1002' FWL, Sec. 9, T28N, R9W

Clarification

Since this well has not been perforated yet Cathedral's current directional survey was used to calculate the actual placement of the well at the end of the intermediate casing point (page 27 of submitted NSL application). The intermediate hole was drilled to 4986' and the casing was set @ 4967'. At 4934' (MD) and 4784' (VD), which is the point of Cathedral's last survey showed 123.68' north and 985.01' E of the surface hole. I used this point to determine the placement of the top MV interval because it is inside of the Menefee formation and COPC wouldn't perforate and stimulate through both the 4-1/2" and 7" to recover any MV reserves above the intermediate casing setting depth. I used the directional survey (page 15 of the submitted NSL application) to determine the bottom MV interval of 5728' MD / 5558' VD.

I also used the direction survey page 16 to determine the DK top interval @ the Graneros top. I am enclosing a copy of the submitted casing report that details intermediate and final TD and may be helpful in making your determination.

If you need anything additional, please call me 505-326-9518. Thank you again for your help.

Patsy Clugston

[Home](#) [Land Searches](#) [Land Details](#)

Type: Normal

Total Acres: 272.08

County: San Juan (45)

L (4)	K (3)	J (2)	I (1)
Federal ¹	Federal ¹	Federal ¹	Federal ¹
Federal ²	Federal ²	Federal ²	Federal ²
(45) 28	(45) 28.02	(45) 28.02	(45) 28.04
M (M)	N (N)	O (O)	P (P)
Federal ¹	Federal ¹	Federal ¹	Federal ¹
Federal ²	Federal ²	Federal ²	Federal ²
(45) 40	(45) 40	(45) 40	(45) 40

Note ¹ = Surface Owner Rights

Note ² = Sub-Surface Mineral Rights

Land Restrictions

No land restrictions found for this section.

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New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220



3401 East 30th Street
Farmington, New Mexico 87402

January 23, 2015

XTO Energy
Attn: Dean Jackson, Landman
810 Houston Street
Ft Worth, TX 76102

Re: Jackson Com 1N - NSL application for Basin Dakota and Blanco Mesaverde Pools
Surface Location: Unit L (NWSW), 1738' FSL & 15' FWL, Sec. 9, T28N, R9W
Bottomhole Location L (NWSW), 1861' FSL & 1002' FWL, Sec. 9, T28N, R9W
API - 30-045-35415

Dear Sir:

Attached you will find a copy of our NSL (non-standard location) application to the NMOCD office in Santa Fe for the subject well. According to NMOCD Rule 104.E(4) be advised that you or your company have a 20 day time frame from the date this notice is received to let the NMOCD know that you have objection to us having the Jackson Com 1N produce from the existing location.

The original application was submitted to the NMOCD on 1-23-15. With our sincere apologies we hope that you will sign the attached waiver. If so please return this waiver either by mail at the address shown above or by fax @ 505-599-4062. If the 20 day waiting period expires the NMOCD will conclude that you or your company has no objection and the NSL approval will be granted to ConocoPhillips Company. If you have objection to this location please let the NMOCD and Conocophillips know as soon as possible and we will make arrangements to schedule a hearing. If you should have questions concerning this application please feel free to call me at 505-326-9518.

Sincerely,

Patsy Clugston
Staff Regulatory Technician
ConocoPhillips Co.

Waiver to NSL – Jackson Com 1N

XTO Energy Inc. (Company Name) does not object to ConocoPhillips Company completing and producing the Jackson Com 1N current non-standard location – Unit L, 1861' FSL & 1002' FWL, Section 9, T28N, R9W. in San Juan County, API – 30-45-35415.

Edwin S. Ryan, Jr.

Company Agent

2/17/15

Date

Edwin S. Ryan, Jr.
Senior Vice President - Land

CSB
JH