

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAR27'07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF-078995 Unit Reporting Number NMMN-784218 DK
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips	7. Unit Agreement Name San Juan 31-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #41M
4. Location of Well Unit E (SENE) 2420' FNL & 750' FWL, SWNW Latitude 36° 52.2679 N Longitude 107° 29.5260 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 29, T31N, R6W E API # 30-039-30208
14. Distance in Miles from Nearest Town 49 miles/Blanco, NM	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 750'	
16. Acres in Lease	17. Acres Assigned to Well DK & MV - 320 - (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease	
19. Proposed Depth 8075'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6507' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: Rhonda Rogers (Regulatory Technician)	2-a-07 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.

Type 3 - See Master Plan

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

3/28/07

NMOCD

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

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED
ELHI
210 EASTINGTON NM
FEB 26 PM 3:32

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30208		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code 31328	*Property Name SAN JUAN 31-6 UNIT		*Well Number 41M
*OGED No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6507'

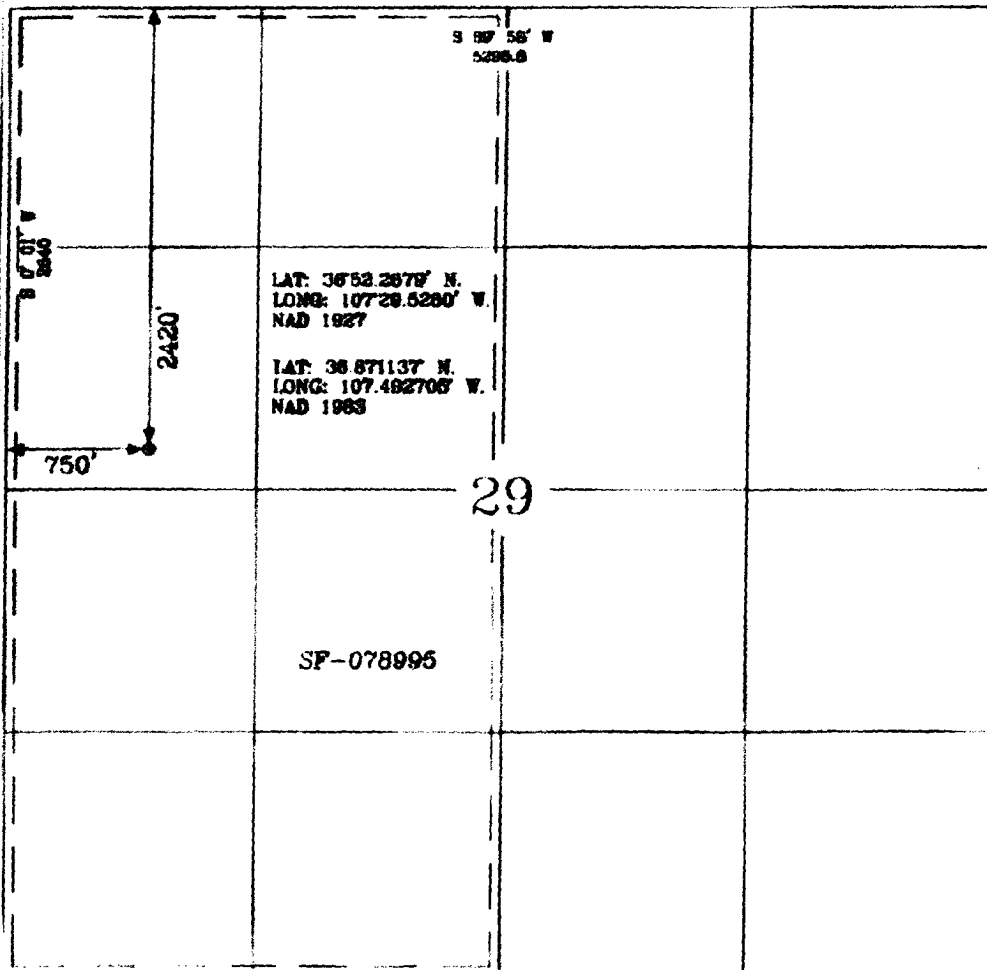
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	29	31-N	6-W		2420'	NORTH	750'	WEST	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
E									
*Dedicated Acres 320 acres W/2(MV/DK)			*Joint or Infill		*Consolidation Code		*Order No. ROAD MAR 27 '07 OIL CONS. DIV. DIST. 3		

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

		<p>17 OPERATOR CERTIFICATION</p> <p>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 substantial 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Tracey N. Monroe</i> Signature Tracey N. Monroe Printed Name Regulatory Assistant</p>
		<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>2-3-06 Date of Survey Signature of Licensed Professional Surveyor NEW MEXICO 15703 Certificate Number 15703</p>

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. Francis Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-039-30208

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-078995

7. Lease Name or Unit Agreement Name

San Juan 31-6 Unit

8. Well Number

41M

9. OGRID Number

217817

10. Pool name or Wildcat

Blanco Mesa Verde/Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒Other ☐

2. Name of Operator

ConocoPhillips

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter E : 2420 feet from the North line and 750 feet from the West line
Section 29 Township 31N Range 6W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6507' GL

Pit or Below-grade Tank Application

☒ or Closure ☐Pit type New Drill Depth to Groundwater >100' Distance from nearest fresh water well >1000'Distance from nearest surface water >1000'

Pit Liner Thickness:

12

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐

OTHER:

New Drill Pit ☒OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Lined:

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in ConocoPhillips' General Plan dated June 2005 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

Tracey N. Monroe

TITLE

Regulatory Technician

DATE

12/29/2006

Type or print name

Tracey N. Monroe

E-mail address: Tracey.N.Monroe@conocophillips.com

Telephone No. 505-326-9752

For State Use Only

APPROVED BY

[Signature]

TITLE

OIL & GAS INSPECTOR, DIST. 64

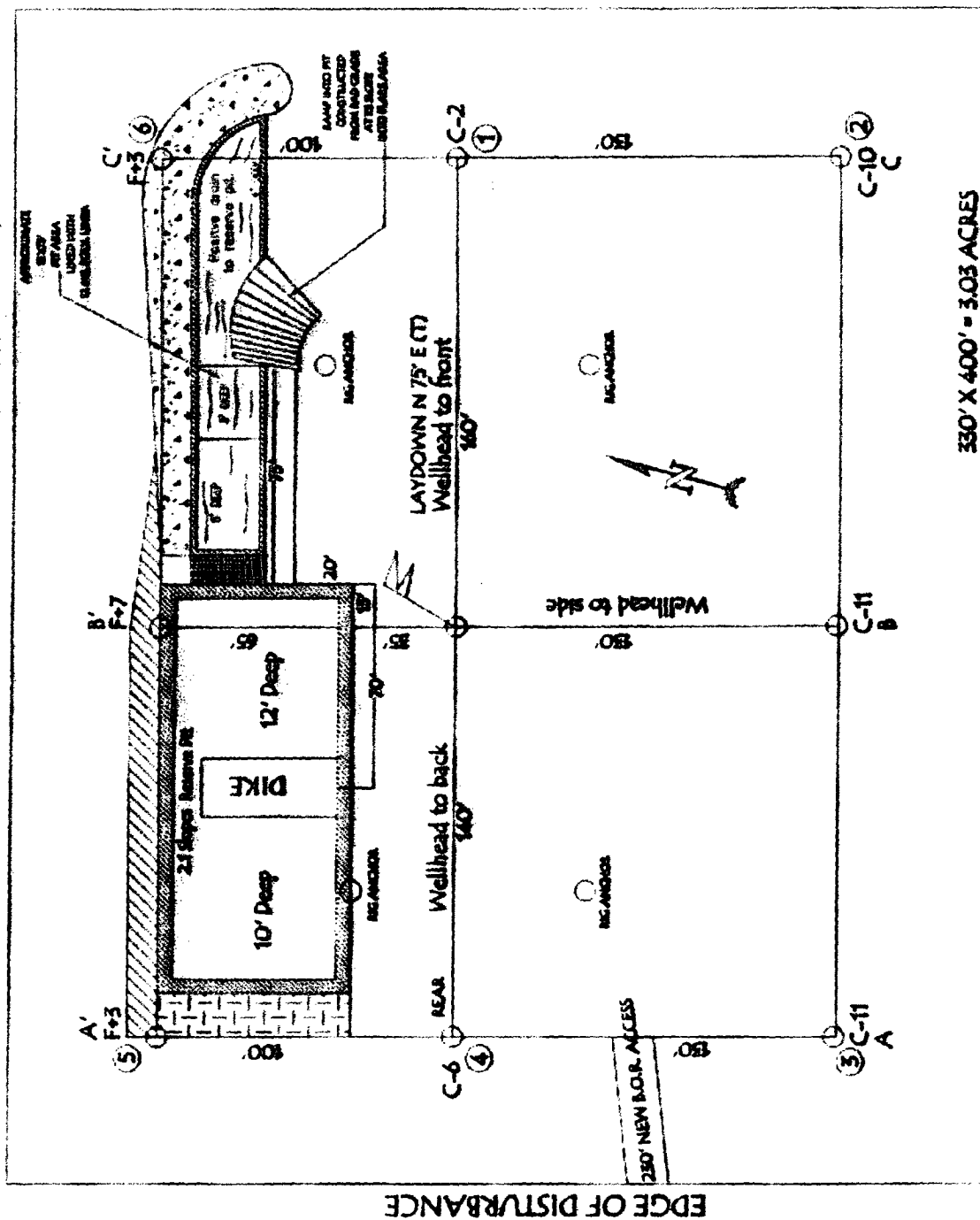
DATE

MAR 28 2007

Conditions of Approval (if any):

SAN JUAN 31-6 UNIT #41M, 2420' FNL & 750' FWL
SECTION 29, T-31-N, R-6-W, NMMP, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6507', DATE: JULY 25, 2006

NOTE: VECTOR SURVEYS LLC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

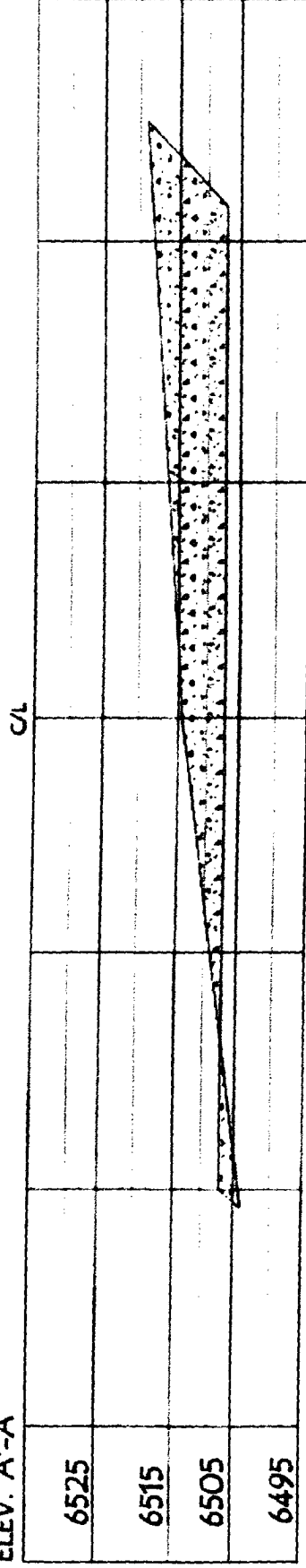


LATITUDE: 36° 52.2679'N LONGITUDE: 107° 29.5260'W NAD27

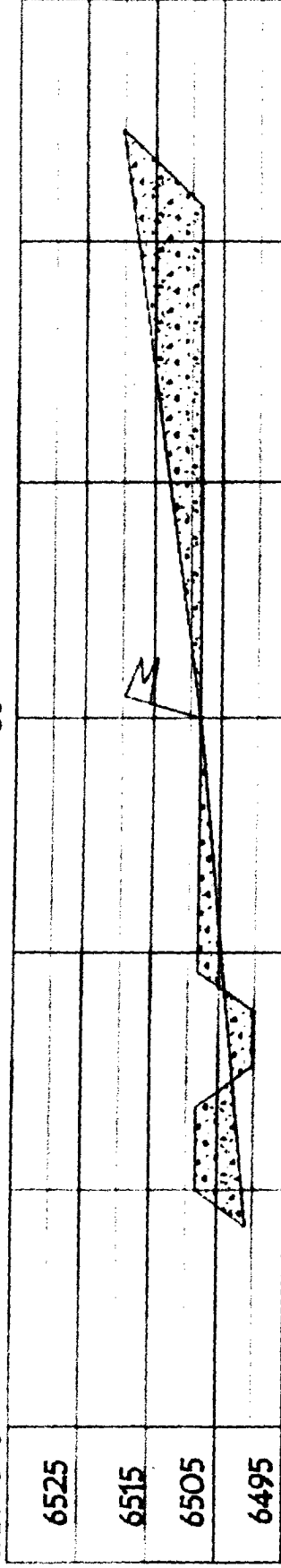
CONOCOPHILLIPS COMPANY

SAN JUAN 31-6 UNIT 41M, 2420' FNL & 750' FWL
SECTION 29, T-31- N, R-6-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6507', DATE: JULY 25, 2006

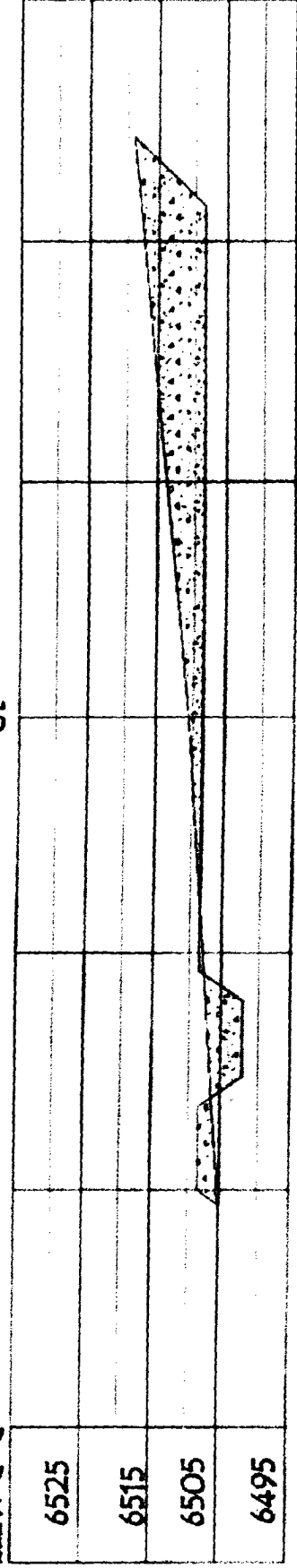
ELEV. A'-A



ELEV. B'-B



ELEV. C'-C



NOTE: VECTOR SURVEYS LLC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 41M

Lease:	AFE #: WAN.CNV.7207			AFE \$:
Field Name: 31-6	Rig: Bearcat Rig 4	State: NM	County: RIO ARRIBA	API #:
Geoscientist: Riley, Brook	Phone: +1 505-324-6108	Prod. Engineer: Plotrowicz, Greg M.	Phone: +1 832-486-3486	
Res. Engineer: McKee, Cory J	Phone: 505-326-9826	Proj. Field Lead: Fransen, Eric E.	Phone:	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 27			Straight Hole	
Latitude: 36.871131	Longitude: -107.492100	X: 0.00	Y: 0.00	Section: 29	Range: 006W	
Footage X: 750 FWL	Footage Y: 2420 FNL	Elevation: 6507	(FT)	Township: 031N		

Tolerance:

Location Type: Summer Only	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6523	Units = FT		

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	6307	<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 91.9 Cuft, Circulate cement to surface.
OJAM	2508	4015	<input type="checkbox"/>			Possible water flows.
KRLD	2608	3915	<input type="checkbox"/>			
FRLD	3123	3400	<input type="checkbox"/>			Possible gas.
PCCF	3473	3050	<input type="checkbox"/>			
LEWS	3673	2850	<input type="checkbox"/>			
Intermediate Casing	3773	2750	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 1072 cuft. Circulate cement to surface.
CHRA	4637	1886	<input type="checkbox"/>			
UCLFH	5138	1385	<input type="checkbox"/>			
CLFH	5454	1069	<input type="checkbox"/>	579		Gas; possibly wet
MENF	5502	1021	<input type="checkbox"/>			Gas.
PTLK	5750	773	<input type="checkbox"/>			Gas.
UPPER GLLP	6859	-336	<input type="checkbox"/>			
GRHN	7803	-1280	<input type="checkbox"/>	1300		Gas possible, highly fractured
GRRS	7853	-1330	<input type="checkbox"/>			
CBBO	7981	-1458	<input type="checkbox"/>			Gas
CBRL	8037	-1514	<input type="checkbox"/>			
TD	8075	-1552	<input type="checkbox"/>			6-1/4" hole, 4-1/2", 10.5/11.6 ppf, STC/LTC casing. Cement with 468.8 cuft. Circulate cement a minimum of 100 ft inside the previous casing string

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	SJ 31-6 44	29-31N-6W-NE, KB = 6515
Intermediate	SJ 31-6 41	29-31N-6W-SW, KB = 6534

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 UNIT 41M

Logging Program:Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple ComboTD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

CBL/GR

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Zones - This is not an ideal location, but it looks like we have no other choices before going directional. This new spot would be about 900' away from the nearest existing well so I will say OK to this one. But thinking into the future just a bit, lets try to set up the pad to allow for a 2nd well which would likely be a directional going to the north or northeast.