

In Lieu of
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals

5. Lease Designation and Serial No.

SF-878769

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Rosa Unit

8. Well Name and No.

Rosa Unit No. 31B

9. API Well No.

10. Field and Pool, or Exploratory Area

Blanco Mesaverde/Basin Dakota

11. County or Parish, State

Rio Arriba, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

2. Name of Operator

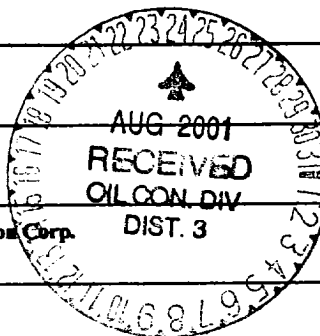
Williams Production Company LLC

3. Address and Telephone No. C/O Walsh Engineering & Production Corp.

7415 East Main, Farmington, NM 87402 505-327-4892

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

570' FNL & 515' FWL Sec 17, T31N, R5W



CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other See Below

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Williams Production Company LLC proposes to drill and complete the Rosa Unit 31B as a Mesaverde/Dakota dual well as per the attached drilling and completion procedure. The well is currently permitted as a stand alone Mesaverde well. No changes on the surface will occur from this proposed change of plans.

Attached: New plat showing Mesaverde/Dakota and new drilling & completion procedure.

14. I hereby certify that the foregoing is true and correct

Signed

(John C. Thompson)

Title

Agent/Engineer

Date

07/25/01

(This space for Federal or State office use)

Approved by

Title

Date

8/21/01

Conditions of approval, if any:

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 representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd. Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 21, 1995
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code 72319 / 71599		Pool Name Blanco Mesaverde / Basin Dakota	
Property Code 17033		Property Name ROSA UNIT			Well Number 318
OGRID No. 120782		Operator Name WILLIAMS PRODUCTION COMPANY			Elevation 6315'

10 Surface Location

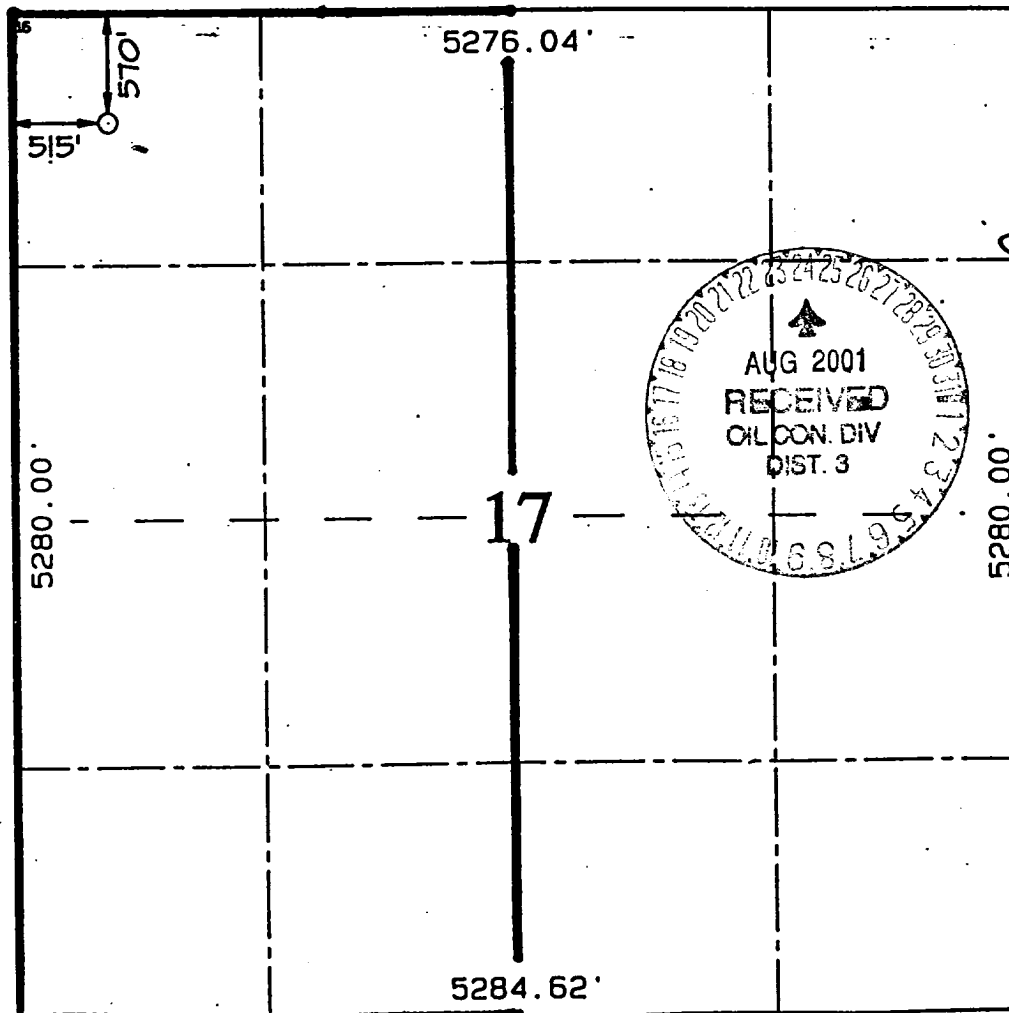
UL or lot no. D	Section 17	Township 31N	Range 5W	Lot Idn	Feet from the 570	North/South line NORTH	Feet from the 515	East/West line WEST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 320 - W/2	Joint or Infill I	Consolidation Code U	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Steve Nelson
Signature
Steve Nelson
Printed Name
Agent, Nelson Consulting
Title
April 2, 2001
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 17, 2000
Date of Survey
Signature and Seal
Neale C. Edwards
NEALE C. EDWARDS
NEW MEXICO
6857
Certificate Number 6857



WILLIAMS PRODUCTION COMPANY

OPERATIONS PLAN

(Note: This procedure will be adjusted on site based upon actual conditions)

DATE: 7/26/2001

WELL NAME: Rosa #31B **FIELD:** Blanco MV/DK

SURFACE LOCATION: NW/4 NW/4 Sec. 17- T31N-R5W **SURFACE:** BLM
Rio Arriba, NM

ELEVATION: 6315" GR **MINERALS:** BLM

LEASE # SF-078769

MEASURED DEPTH: 8147'

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

	<u>MD</u>		<u>MD</u>
Ojo Alamo	2442'	Mancos sh	5977'
Kirtland sh	2557'	Gallup ss	6977'
Fruitland cl	2972'	Greenhorn ls	7702'
Pictured Cliffs ss	3187'	Graneros sh	7762'
Lewis sh	3462'	Dakota ss	7897'
Cliff House ss	5367'		
Menefee	5407'		
Point Lookout ss	5627'	Total Depth	8147'

B. LOGGING PROGRAM: IND/GR/TEMP from TD to the Intermediate Casing Shoe. DEN/Neutron/GR (selected intervals by on-site Geologist). *Subject to change as wellbore conditions dictate.*

C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Gauge well @ 5800' and before TOH for logs @ 7954'. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM: Clear water with benex to 7" casing point. LSND to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.

B. BOP TESTING: While drill pipe is in use, the pipe rams will be function tested not less than once each day. The blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the rams will be tested to 1500 psi. The drum brakes will be inspected and tested each tour. All tests, inspections and SPR's will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

<u>CASING TYPE</u>	<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CASING SIZE</u>	<u>WT. & GRADE</u>
Surface	14-3/4"	+/- 500'	10-3/4"	32.75# H-40
Intermediate	9-7/8"	+/-3662	7-5/8"	26.4# K-55
Prod. Casing	6-3/4"	+/-8147'	5-1/2"	17.0# N-80

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 10-3/4" notched regular pattern guide shoe. Run (1) Standard centralizer on each of the bottom (3) Joints.
2. INTERMEDIATE CASING: 7-5/8" cement nose guide shoe with a self- fill insert float. Place float one (1) joint above the shoe and five (5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120' intervals, starting at 1500' to the surface. Total centralizers (5 regular and 13 turbulent).
3. PRODUCTION CASING: 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place 20' marker joint on top of 10 th joint and one above 5100'.

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

1. SURFACE: Use 345sx (451cu.ft.) of class "Type III" with 2% CaCl₂ and 1/4# of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). 125% excess to circulate the surface. WOC 12 hours. Test to 1500#.
2. INTERMEDIATE: Lead: 590sx (1233cu.ft.) of class "Premium Lite" 65/35, Type III/Poz with 8% gel and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail: 245sx (340cu.ft.) of class "Type III" with 1/4# cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5#/gal.). 100% excess in lead and tail to circulate to surface. Total volume = 1573 cu.ft. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated.
3. PRODUCTION STRING Lead: 300 sx (424 cu.ft.) of class 50/50, Poz/Class H with 4% gel, 2% kcl, 0.2% CD-32, 4.0% Phenoseal, 0.6% FL-50 and 1/4#/sk cello-flake. (Yield = 1.38 cu.ft./sk, Weight = 13.4 #/gal.). Tail: 100 sx (150 cu.ft.) of class "H" with 35% silica flour, 1.5% FL-62 ,0.3% CD-32, 0.2% A-2, and 1/4# cello-flake/sk, (Yield = 1.50 cu.ft./sk, Weight = 15.9 #/gal.) Batch mix tail slurry. Displace cement at a minimum of 8 BPM. Use 50% excess in lead and tail to bring cement top 150' into intermediate casing. Total volume 574 cuft. WOC 12 hours. cuft. WOC 12 hours.

CBL

IV COMPLETION

A. CBL

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings if cement not circulated to surface..

B. PRESSURE TEST

1. Pressure test 7 5/8" & 5-1/2" casing to 3300# for 15 minutes.

C. STIMULATION

1. Stimulate Dakota with approximately 70,000# of 20/40 sand in x-link foam.
2. Isolate Dakota with a RBP.
3. Stimulate Point Lookout with approximately 80,000# of 20/40 sand in slick water.
4. Isolate Point Lookout with a RBP.
5. Perforate the Menefee/Cliff House as determined from the open hole logs.
6. Stimulate with approximately 80,000# of 20/40 sand in slick water.
7. Test each zone before removing bridge plugs.

D. RUNNING TUBING

1. Dakota: Run 2-1/16", 3.25#, J-55, tubing with 1/2 mule shoe on bottom, SN with pump-out plug on top of bottom joint. Use production packer (w/ 5 Seal Units) to isolate Dakota from Mesaverde. Land tubing approximately 100' below top Dakota perf.
2. Mesa Verde: Run 2-1/16", 3.25#, J-55, tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above the bottom Point Lookout perforations.


John Thompson
Engineer

Walsh Engineering & Production

Well Control Equipment Schematic for 2M Service

Attachment to Drilling Technical Program

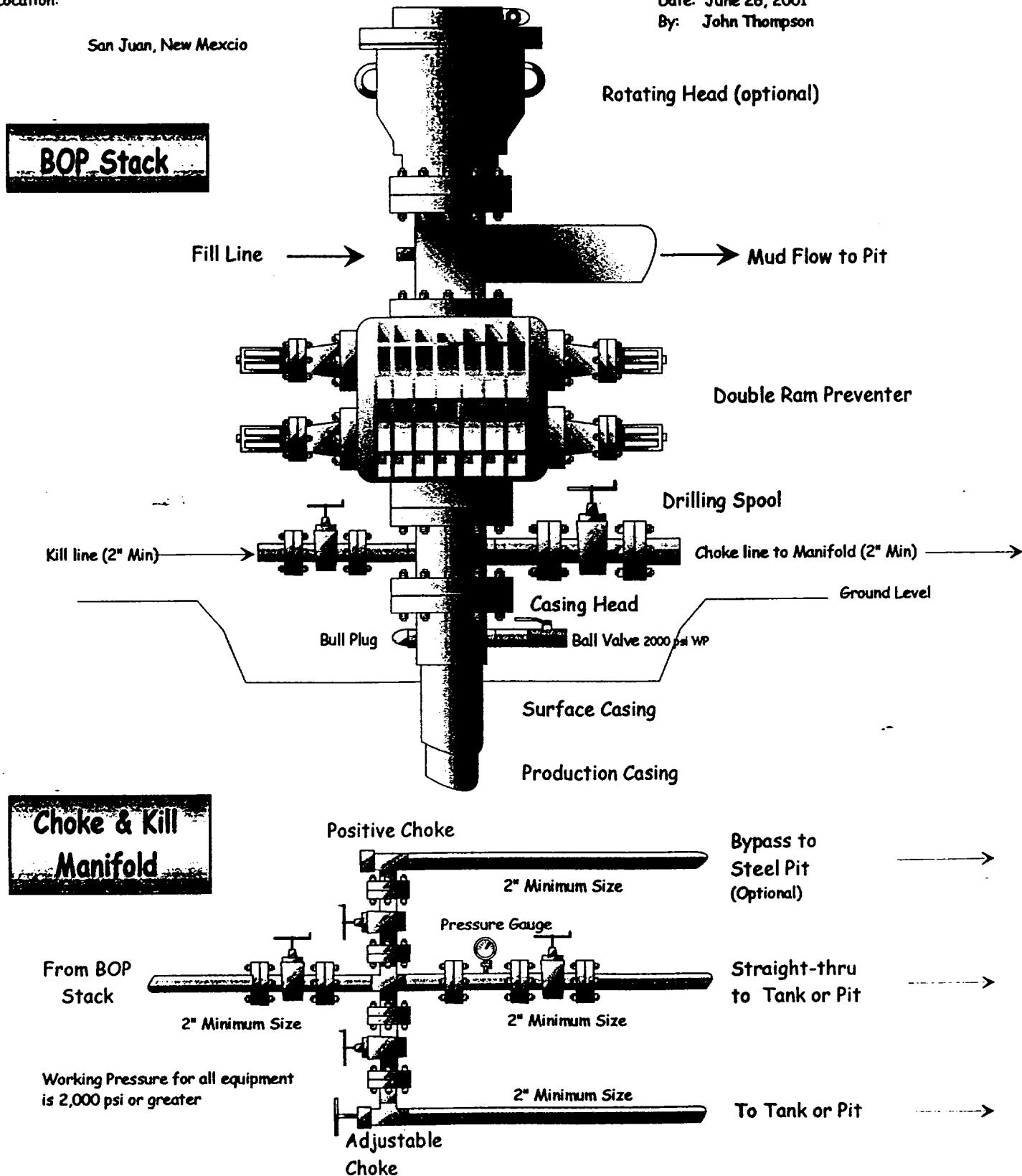
Typical Mesaverde/Dakota BOP setup

Location:

San Juan, New Mexico

Date: June 26, 2001

By: John Thompson



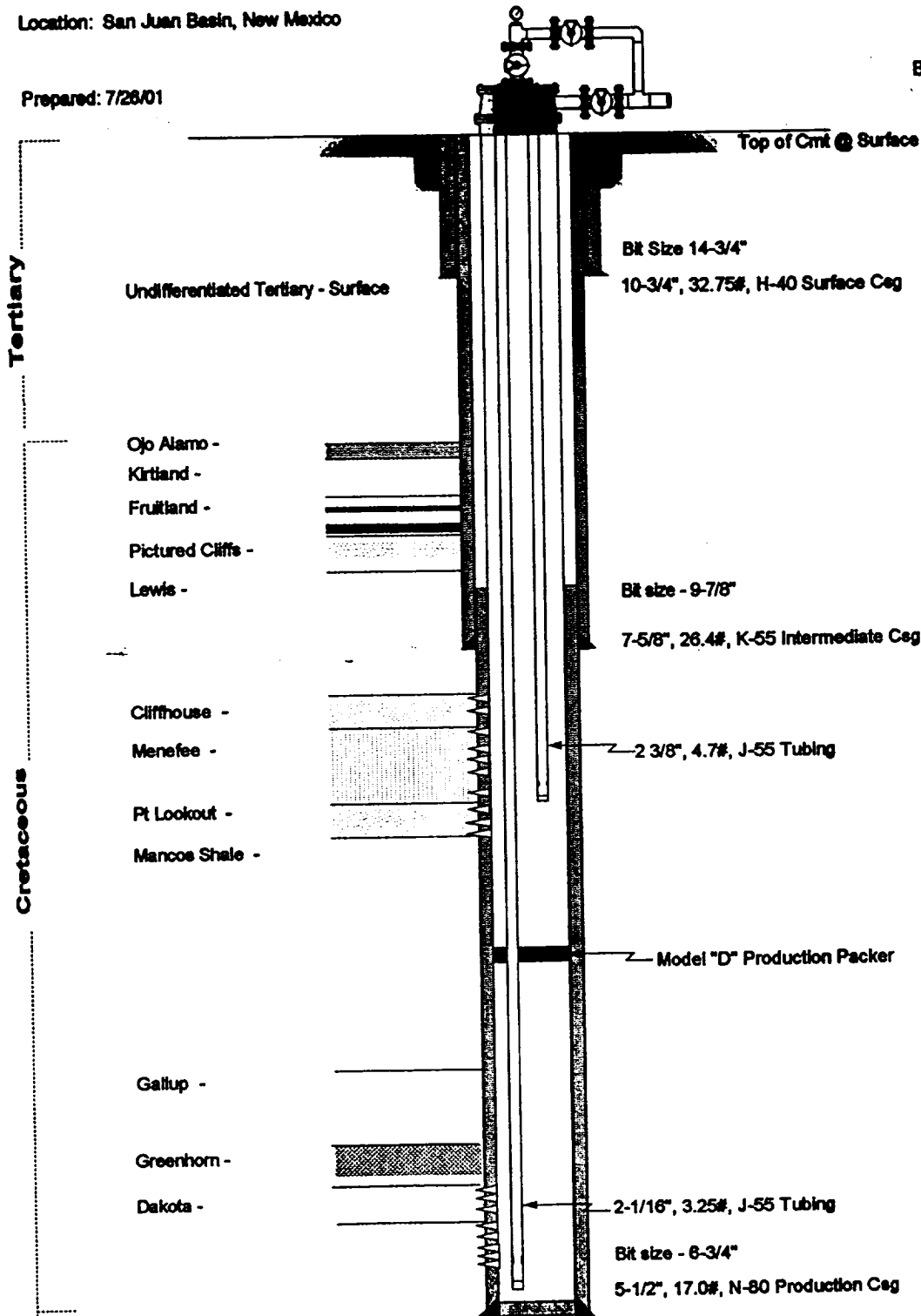
Williams Production Company LLC
Well Bore Schematic
Mesaverde - Dakota Dual Well

Typical Wellbore Configuration

Location: San Juan Basin, New Mexico

Prepared: 7/28/01

By: John C. Thompson



WELL DATA: