

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
SF-078765
46. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Williams Production Company, LLC

3a. Address

P.O. Box 640 Aztec, NM 87410

3b. Phone No. (include area code)

(505) 634-4208

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface 2100' FSL & 1925' FWL K

At proposed prod. zone 2100' FSL & 2310' FWL J

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

Rosa Unit NMNM-678407A

8. Lease Name and Well No.

35C

9. API Well No.

30-045-33795

10. Field and Pool, or Exploratory

Blanco Mesaverde

11. Sec., T., R., M., or Blk. and Survey or Area

K Section 5, 31N, 6W

14. Distance in miles and direction from nearest town or post office*

approximately 26 miles northeast of Blanco, New Mexico

12. County or Parish

San Juan

13. State

NM

15. Distance from proposed*

location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

1925'

16. No. of Acres in lease

2,460.230

17. Spacing Unit dedicated to this well

350.16 (Entire Section)

18. Distance from proposed location*

to nearest well, drilling, completed,
applied for, on this lease, ft.

100'

19. Proposed Depth

6,250'

20. BLM/BIA Bond No. on file

UT0847

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

6,337' GR

22. Approximate date work will start*

Aug 1, 2006

23. Estimated duration

1 month

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Larry Higgins

Name (Printed/Typed)

Larry Higgins

Date

6/13/06

Title

Drilling COM

Approved by (Signature)

[Signature]

Name (Printed/Typed)

Office

FFO

Date

6/26/06

Application approval 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.

Conditions of approval, if any, are attached.

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.

*(Instructions on reverse)

Williams Exploration and Production Company, LLC, proposes to drill a well to develop the Blanco Mesaverde formation at the above described location in accordance with the attached drilling and surface use plans.

The surface is under jurisdiction of the Bureau of Land Management, Farmington Field Office.

This location has been archaeologically surveyed La Plata Archaeological Consultants. Copies of their report have been submitted directly to the BLM/FFO.

This APD is also serving as an application to obtain a pipeline right-of-way (ROW) grant. A 193.8-foot pipeline tie would be required for this location, to be operated by Williams Field Services.

HOLD 0101 FOR Directional Survey
NMOC

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

RECEIVED
JUN 2006
OIL C
DIST. 3
GENERAL REGISTRATION

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

District II
PO Drawer DD, 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-102
Revised February 21, 1994
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 30-045-33795		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 35C
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6337'

¹⁰ Surface Location

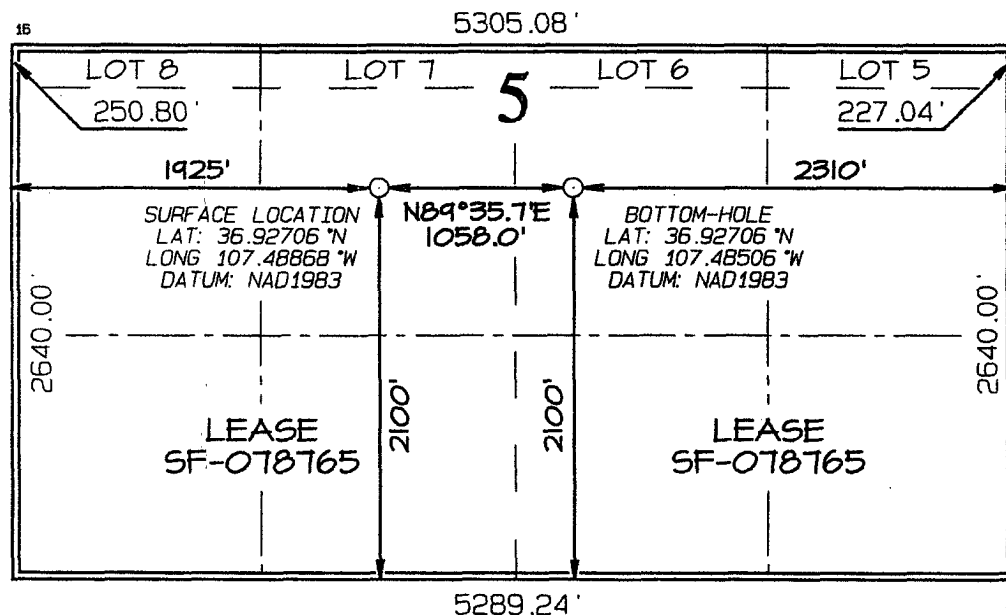
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	5	31N	6W		2100	SOUTH	1925	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	5	31N	6W		2100	SOUTH	2310	EAST	SAN JUAN

¹² Dedicated Acres 350.16 Acres - Entire Section	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

Larry Higgins
Signature

LARRY HIGGINS
Printed Name

DRILLING COM
Title

6-18-96
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

Survey Date: OCTOBER 20, 2005

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French 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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO.	30-045-33795
5. Indicate Type of Lease	FEDERAL <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	SF-078765
7. Lease Name or Unit Agreement Name	Rosa Unit
8. Well Number	35C
9. OGRID Number	120782
Blanco Mesaverde	

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
Williams Production Company, LLC

3. Address of Operator
P.O. Box 640 Aztec, NM 87410

4. Well Location
Unit Letter K: 2100 feet from the south line and 1925 feet from the west line
Section 5 Township 31N Range 6W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6,337' GR

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type reserve Depth to Groundwater >100' Distance from nearest fresh water well >1,000' Distance from nearest surface water >1,000'

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

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

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.

Drilling/Completion pit to be located approximately 50 to 75 feet from well head. Pit multi-use drilling and completion to avoid additional site disturbance and pit will be considered out of service once production tubing set. Pit to be constructed, operated and closed in accordance with NMOCD guidelines and Williams procedures.

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 Larry Higgins TITLE Drilling COM DATE 6-13-2006

Type or print name Larry Higgins E-mail address: larry.higgins@williams.com Telephone No. (505) 634-4208

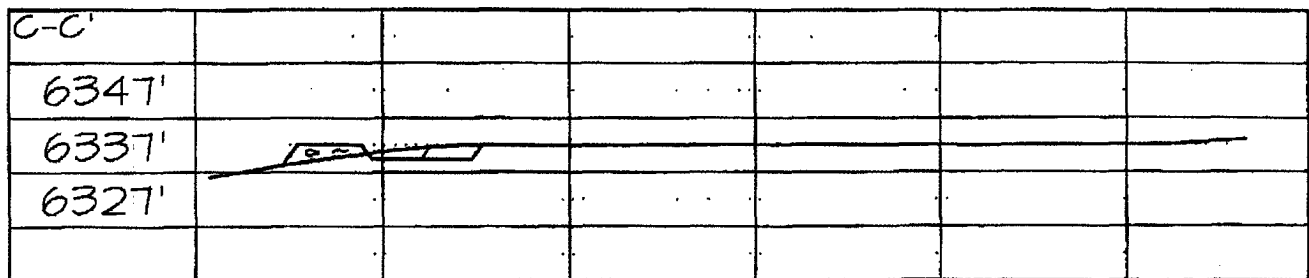
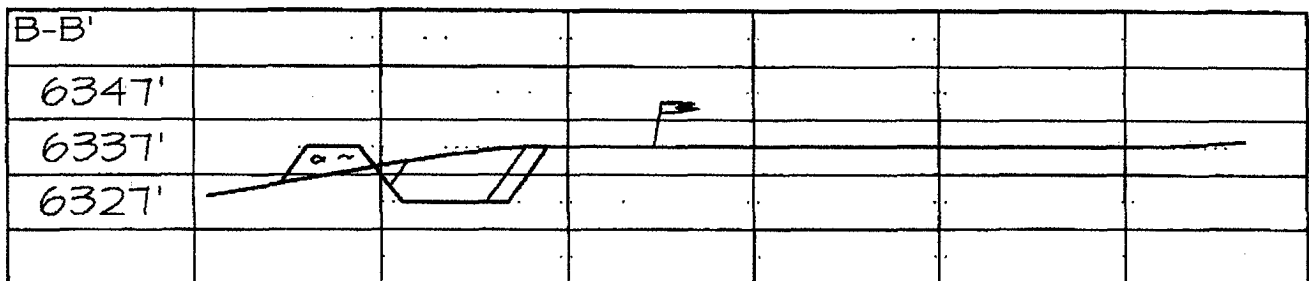
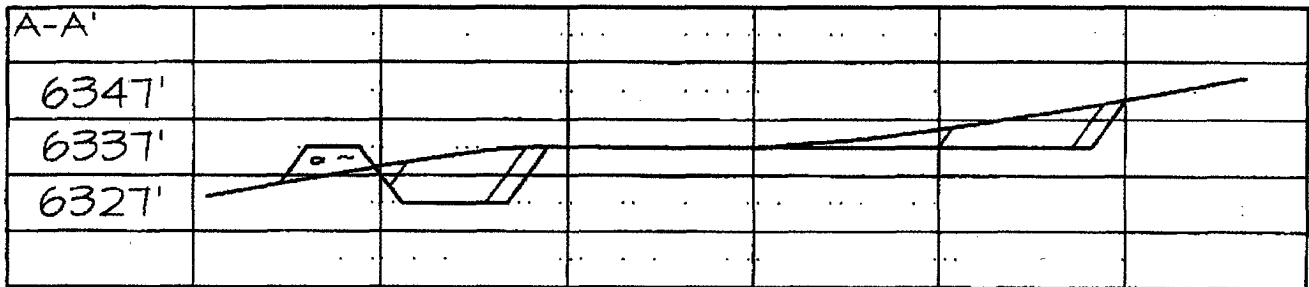
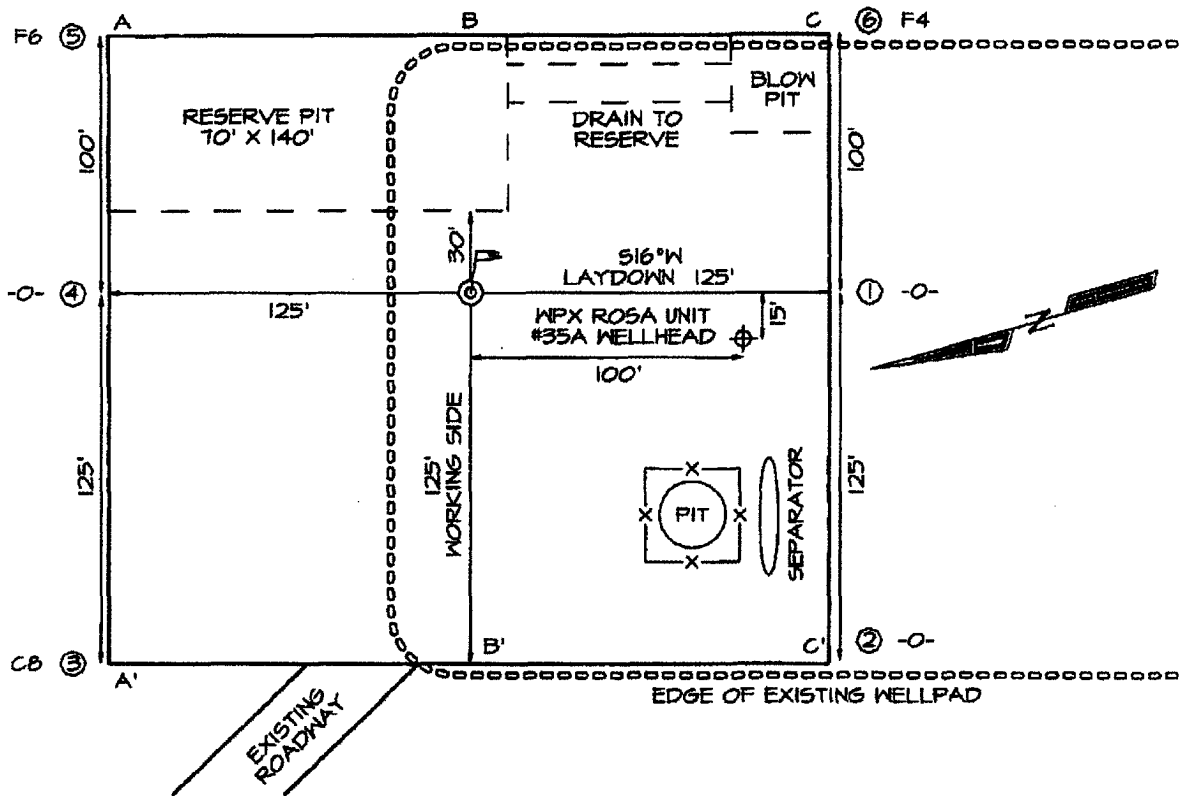
For State Use Only

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 7 DATE JUN 28 2006

Conditions of Approval (if any):

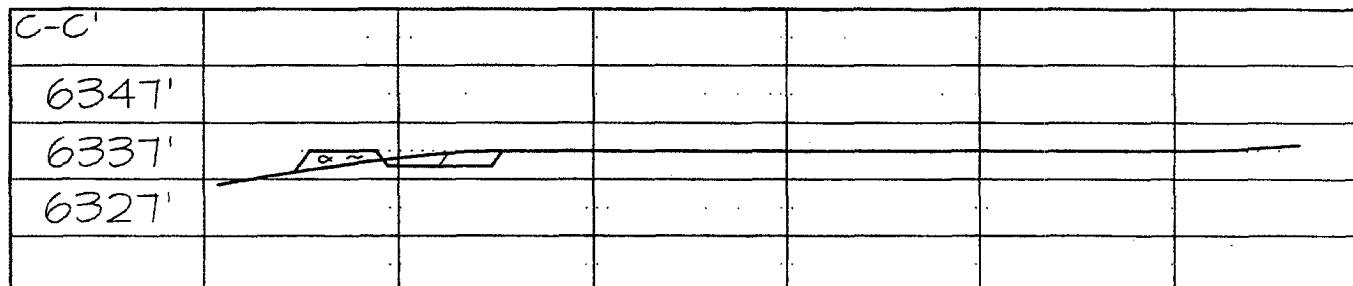
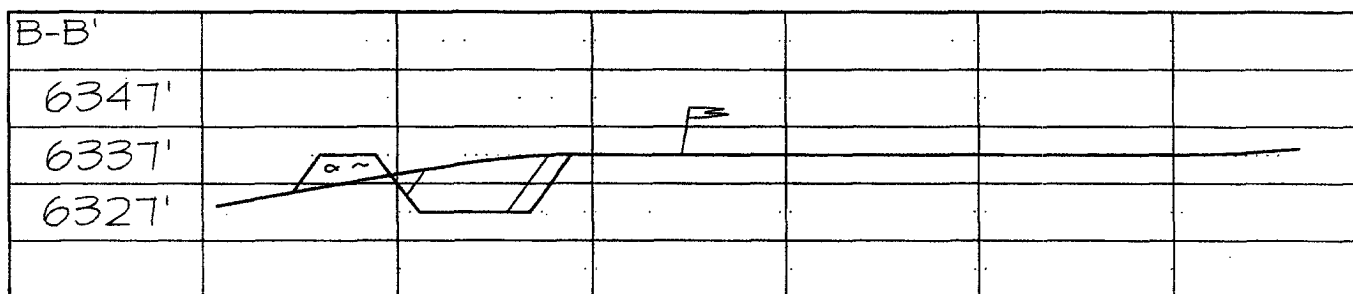
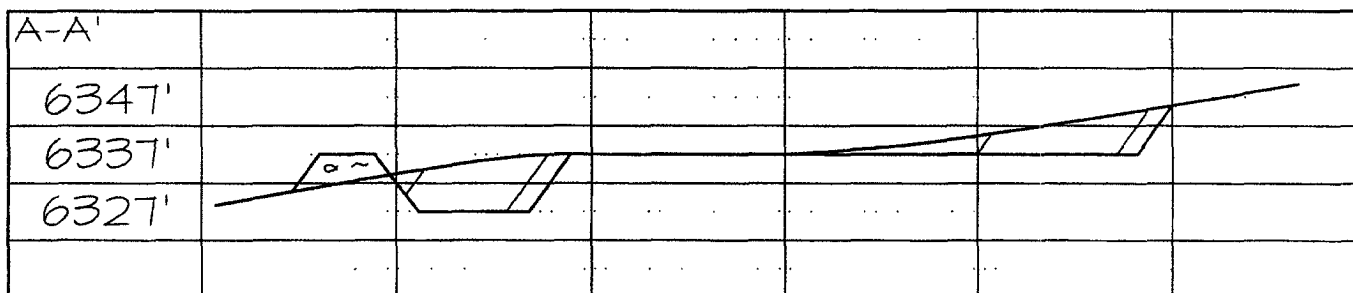
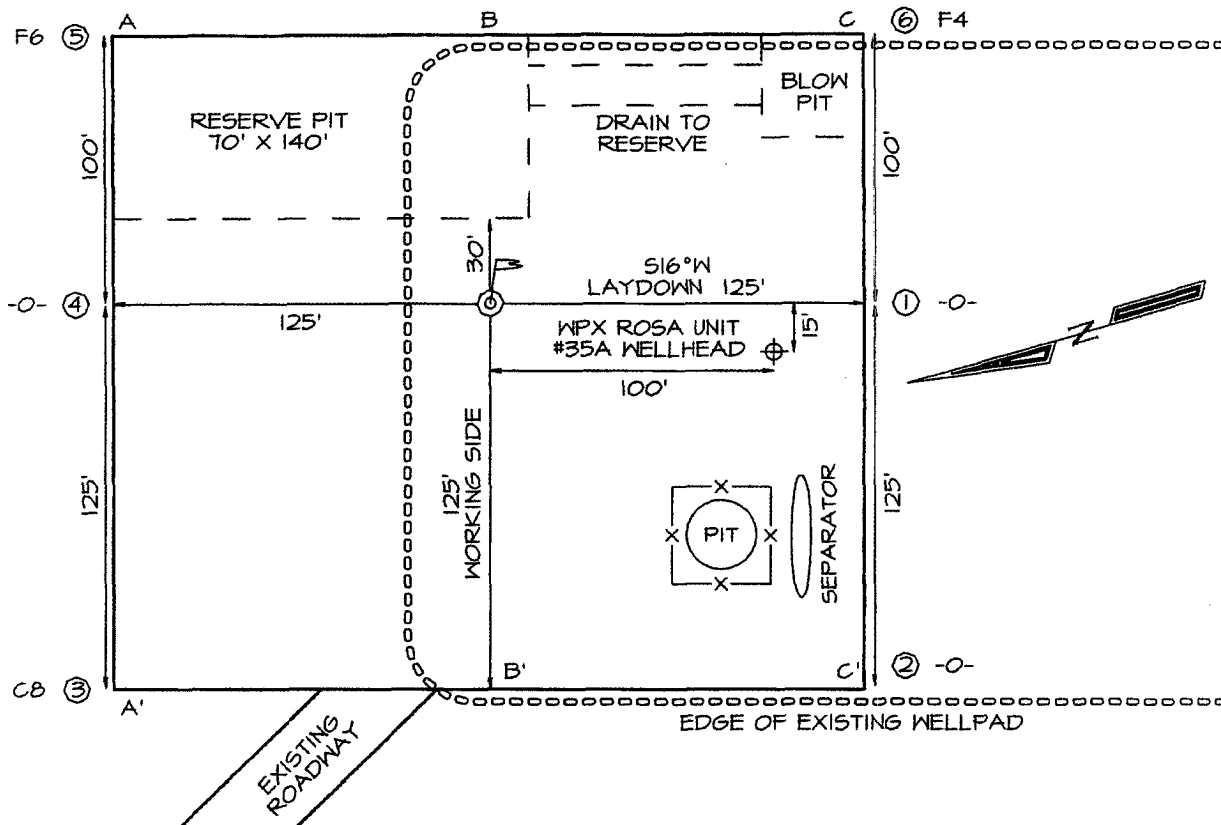
WILLIAMS PRODUCTION COMPANY ROSA UNIT #35C
2100' FSL & 1925' FWL, SECTION 5, T31N, R6W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6337'

LATITUDE: 36°35'37"
 LONGITUDE: 107°29'19"
 DATUM: NAD1983



WILLIAMS PRODUCTION COMPANY ROSA UNIT #35C
2100' FSL & 1925' FWL, SECTION 5, T31N, R6W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6337'

LATITUDE: 36°55'37"
LONGITUDE: 107°29'19"
 DATUM: NAD1983





WILLIAMS PRODUCTION COMPANY

Operations Plan

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

DATE: 5/10/2006 **FIELD:** Blanco MV
WELL NAME: Rosa #35C **SURFACE:** BLM
BH LOCATION: NWSE Sec 5-31N-6W **MINERALS:** BLM
SURF LOCATION: NESW Sec 5-31N-6W **LEASE #** SF-078765
San Juan, NM
ELEVATION: 6,337' GR
MEASURED DEPTH: 6,250'

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

Name	TVD	MD	Name	TVD	MD
Ojo Alamo	2,246	2,398	Cliff House	5,301	5,515
Kirtland	2,381	2,550	Menefee	5,346	5,560
Fruitland	2,816	3,019	Point Lookout	5,586	5,800
Picture Cliffs	3,116	3,328	Mancos	5,901	6,115
Lewis	3,386	3,600	TD	6,036	6,250

B. MUD LOGGING PROGRAM: none

C. LOGGING PROGRAM: Cased hole logs only.

D. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING:

A. MUD PROGRAM: Clear water with benex to 7" casing point. Convert to a LSND mud to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses. Use air w/Air Hammer from 7 in. csg.to TD.

B. BOP TESTING: While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the BOPE will be tested to **250 psi (Low) for 5 minutes** and **1500 psi (High) for 10 minutes**. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be inspected and tested each tour. **All tests and inspections 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 (MD)</u>	<u>CASING SIZE</u>	<u>WT. & GRADE</u>
Surface	12-1/4"	+/- 300'	9-5/8"	36# K-55
Intermediate	8-3/4"	+/- 3,814'	7"	20# K-55
Prod. Liner	6-1/4"	+/- 3,714'-6,250'	4-1/2"	10.5# K-55

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) Turbulent centralizer at 2,700 ft., 2,500 ft., 2,300 ft., 2,000 ft., 1,500 ft., and 1,000 ft. (NTL-FRA 90-1).
3. PRODUCTION CASING: 4-1/2" & 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place marker joint above 5,400'. Place centralizers as needed across selected production intervals.

IV. CEMENTING:

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

1. SURFACE: Slurry: 150sx ²⁰⁷205 cu.ft.) of "Type III" + 2% CaCl₂ + 1/4 # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). The 100% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
2. INTERMEDIATE: Lead - 485 sx ¹⁰³1,006 cu.ft.) of "Premium Light with 8% gel, 1% CaCl₂ and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail - 50 sx (70cu.ft.) of "Type III" with 1/4# cello-flake/sk, and (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use **100% excess in Lead Slurry** to circulate to surface. **No excess in Tail Slurry**. Total volume = ¹⁰⁶⁴1,076 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
3. PRODUCTION LINER: 10 bbl Gelled Water space. Lead: 50sx (130ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE. (Yield = 2.59 cu.ft./sk, Weight = 11.6 #/gal.). Tail: 100 sx (215 ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, 1/4 #/sk cello flake and 4% Phenoseal. (Yield = 2.15 ft³/sk, Weight = 12.3 #/gal.). Displace cement at a minimum of 8 BPM. The 20% excess in lead and tail should cover 100 ft into intermediate casing. Total volume ³⁴⁵324 ft³. WOC 12 hours

V. 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 is not circulated to surface.

B. PRESSURE TEST


1. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes.

C. STIMULATION

1. Perforate the Point Lookout as determined from the open hole logs.
2. Stimulate with approximately 9,300# of 14/30 LiteProp™ sand in slick water.
3. Isolate Point Lookout with a CIBP.
4. Perforate the Menefee/Cliff House as determined from the open hole logs.
5. Stimulate with approximately 9,300# of 14/30 LiteProp™ sand in slick water.
6. Test each zone before removing bridge plugs.

D. RUNNING TUBING

1. Mesa Verde: Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above the bottom Point Lookout perforation.


Gary Sizemore
for Sr. Drilling Engineer



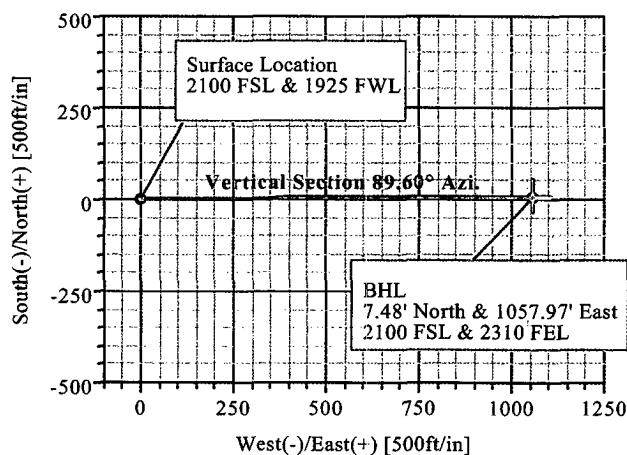
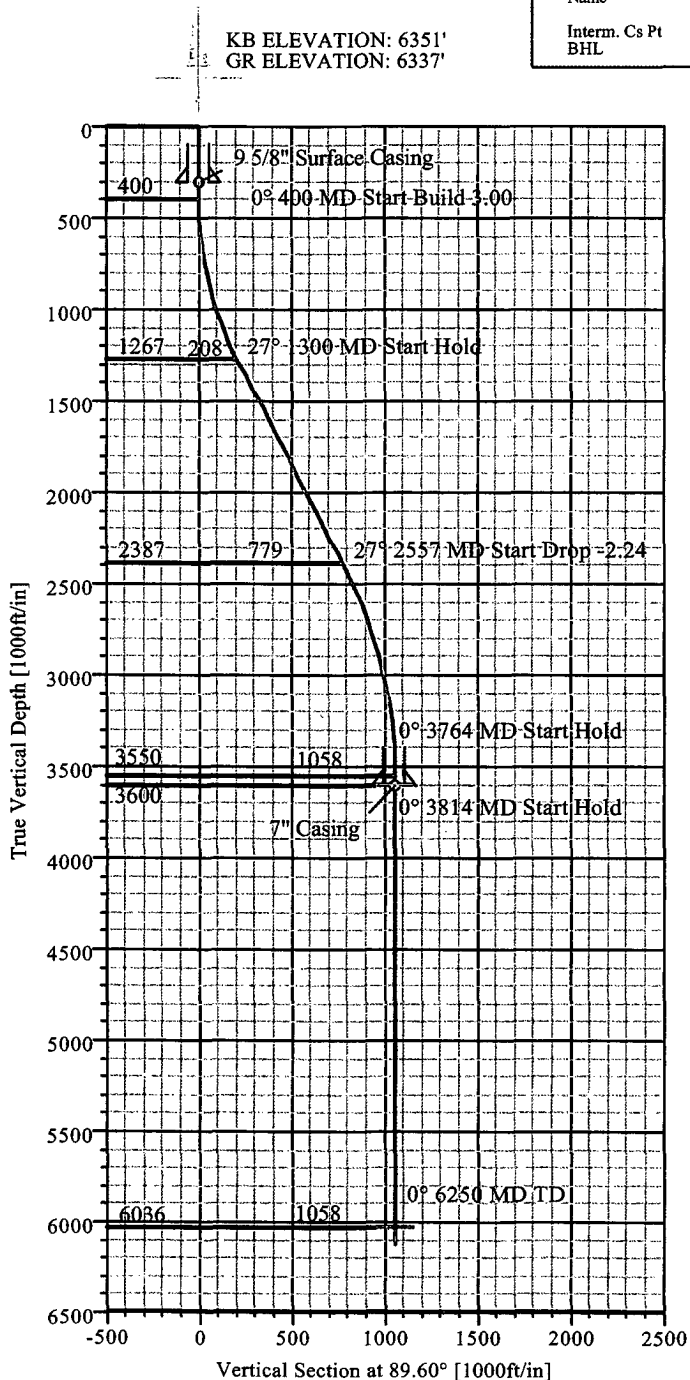
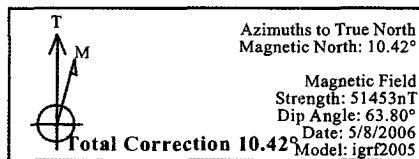
ROSA UNIT #35C
SEC 5 T31N R6W
2100 FSL & 1925 FWL
SAN JUAN COUNTY, NM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	89.60	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	89.60	400.00	0.00	0.00	0.00	0.00	0.00	KOP
3	1300.00	27.00	89.60	1267.06	1.47	208.16	3.00	89.60	208.16	HOLD
4	2556.89	27.00	89.60	2386.95	5.50	778.76	0.00	0.00	778.78	DROP
5	3764.12	0.00	89.60	3550.00	7.48	1057.97	2.24	108.00	1058.00	HOLD
6	3814.12	0.00	89.60	3600.00	7.48	1057.97	0.00	0.00	1058.00	Interm. Cs Pt
7	6250.12	0.00	89.60	6036.00	7.48	1057.97	0.00	89.60	1058.00	TOTAL DEPTH

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Rosa Unit #35C	0.00	0.00	2156964.92	2824033.87	36°55'37.416N	107°29'16.800W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Interm. Cs Pt	3600.00	7.48	1057.97	2156976.23	2825091.81	Point
BHL	6036.00	7.48	1057.97	2156976.23	2825091.81	Point

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	2246.00	2398.69	Ojo Alamo SS
2	2381.00	2550.21	Kirtland
3	2816.00	3019.69	Fruitland
4	3116.00	3328.02	Pictured Cliffs
5	3386.00	3600.01	Lewis
6	4981.00	5195.12	Cliff House Trans.
7	5301.00	5515.12	Cliff House
8	5346.00	5560.12	Menefee
9	5586.00	5800.12	Point Lookout
10	5901.00	6115.12	Mancos



Weatherford®

Plan: Plan #1 (Rosa Unit #35C/1)

Created By: Jose Perez Date: 5/8/2006
Weatherford Drilling Services
Granbury Office
3611 Plaza East Court
Granbury, TX 76049
(817) 573 8500 Main
(817) 573 8001 Fax



DIRECTIONAL WELL INFORMATION SHEET

DATE: 5/8/2006

Attention: Rod Middleton

From: Gary Sizemore

Company: Weatherford

Company: Williams Production

Telephone #: 432-561-8892

Telephone #: 918-573-8776

Fax #: 432-561-8895

Fax #: 918-573-4839
918-573-1298

WELL INFO: ROSA UNIT # 35-C MV
Rig KB: 14 ft.

9-5/8 in. Surface Casing will be set @ +/- 300 ft. Estimated KOP is 400 ft. (TVD). Drill 8-3/4 in. "S" shaped wellbore to a (TVD) of 3,600 ft. Have wellbore at less than 5 degrees angle at 3,600 ft. TVD. 7 in. Intermediate Casing will be set at this point. Well will be air drilled from this point to "TD". Please place Formation Names at corresponding TVD's on the Survey listing sheets. The Rosa #35-A well is on the same pad but won't be a problem.

ATTACHMENTS:

- (1) Section Staking Plat
- (2) Well-Pad Plat
- (3) Formation Tops List

Any questions, please give me a call.

Gary Sizemore

GEOLOGIC PROGNOSIS

Company: **Williams Production Company, LLC**
Project: **2006 Drilling Plan**
Area: **Rosa Unit**

Operator: **Williams Production Company, LLC**
Well Name: **Rosa Unit No. 35C (Kmv-Directional)**
Location: **NESW 05-31N-06W**
Footage: **2100' FSL & 1925' FWL**
County/State: **San Juan/New Mexico**

Surveyed GL: 6337 Estimate (14') KB: 6351

<u>Formation</u>	<u>Thickness</u>	<u>TVD</u>	<u>Struct. Elev.</u>
San Jose Fm.	2246	Surface	6337
Ojo Alamo Ss.	135	2246	4105
Kirtland Sh.	435	2381	3970
Fruitland Fm.	300	2816	3535
Pictured Cliffs Ss.	270	3116	3235
Lewis Sh.	205	3386	2965
<u>Intermediate Casing Depth</u>	1390	<u>3591</u>	2760
Cliff House Ss. Trans.	320	4981	1370
Cliff House Ss.	45	5301	1050
Menefee Fm.	240	5346	1005
Point Lookout Ss.	315	5586	765
Mancos Sh.	135	5901	450
<u>Total Depth</u>	NA	<u>6036</u>	315

Mechanical Logs: Cased hole (TMDL, CBL) logs only

Correlation Logs: Rosa Unit No. 167A (NENE 08-31N-06W)
Rosa Unit No. 150A (SWSW 32-32N-06W)

Notes: This well will be directionally drilled to a BHL
2100' FSL & 2310' FEL 05-31N-06W

GENERAL ROSA DRILLING PLAN

Rosa Unit boundries:

T31N, R4W: all except sections 32-36

T31N, R5W: all except sections 1 & 2

T31N, R6W: all except sections 6,7,18,20, & 27-36

T32N, R6W: sections 32-36

FORMATION	LITHOLOGY	WATER	GAS	OIL/COND	OVER-PRES	LOST CIRC
Nacimiento	Interbedded shales, siltstones and sandstones	Possible	Possible	No	No	No
Ojo Alamo	Sandstone and conglomerates with lenses of shale	Fresh	No	No	No	No
Kirtland	Shale W/interbedded sandstones	No	Possible	No	No	No
Fruitland	Inter, SS, SiltSt, SH & Coals w/carb, SS, SiltSt, SH	Yes	Yes	No	Possible	Possible
Pictured Cliffs	Massive Sandstone w/thin interbedded shales	Possible	Yes	Possible	No	Possible
Lewis	Shale w/thin interbedded sandstones and siltstones	No	Possible	No	No	No
Cliff House	Transgressive sandstones	Possible	Yes	No	No	No
Menefee	Sandstones, carb shales and coal	Possible	Yes	No	No	No
Point Lookout	Regressive coastal barrier sandstone	Possible	Yes	Possible	No	Yes
Mancos	Marine shale and interbedded sandstone	No	Possible	Possible	No	Possible
Upr Dadota	Marine sand and shales	No	Yes	Possible	No	Possible
Lwr Dakota	Fluvial sands, shales, & coal	Possible	Yes	Possible	No	Possible

DRILLING

Potential Hazards:

1. There are no overpressured zones expected in this well.
2. No H2S zones will be penetrated while drilling this well.

Mud System:

1. Surface - The surface hole will be drilled with a low-solids, non-dispersed system with starch and lost circulation material as needed. Expected mud weights will be in the 8.4 to 9.0 lb per gal range. Viscosities will be in the 30 to 60 sec/qrt range as needed to remove drill cuttings.
2. Intermediate - The intermediate hole will be drilled with clear water and Benex to TD where the well will be mudded up to log and run casing. The mud system will be low-solids, non-dispersed with mud weights in the 9 to 10 lb per gal range as needed to control the well. Viscosities will be in the 45 to 55 range as needed to support any weight material. The weight material will consist of Barite.
3. Production - The well will be drilled using air from the intermediate casing point to TD. For Fruitland Coal wells, the coal section will be drilled with air/mist.

Williams Production Company, LLC Well Control Equipment Schematic for 2M Service

Attachment to Drilling Technical Program

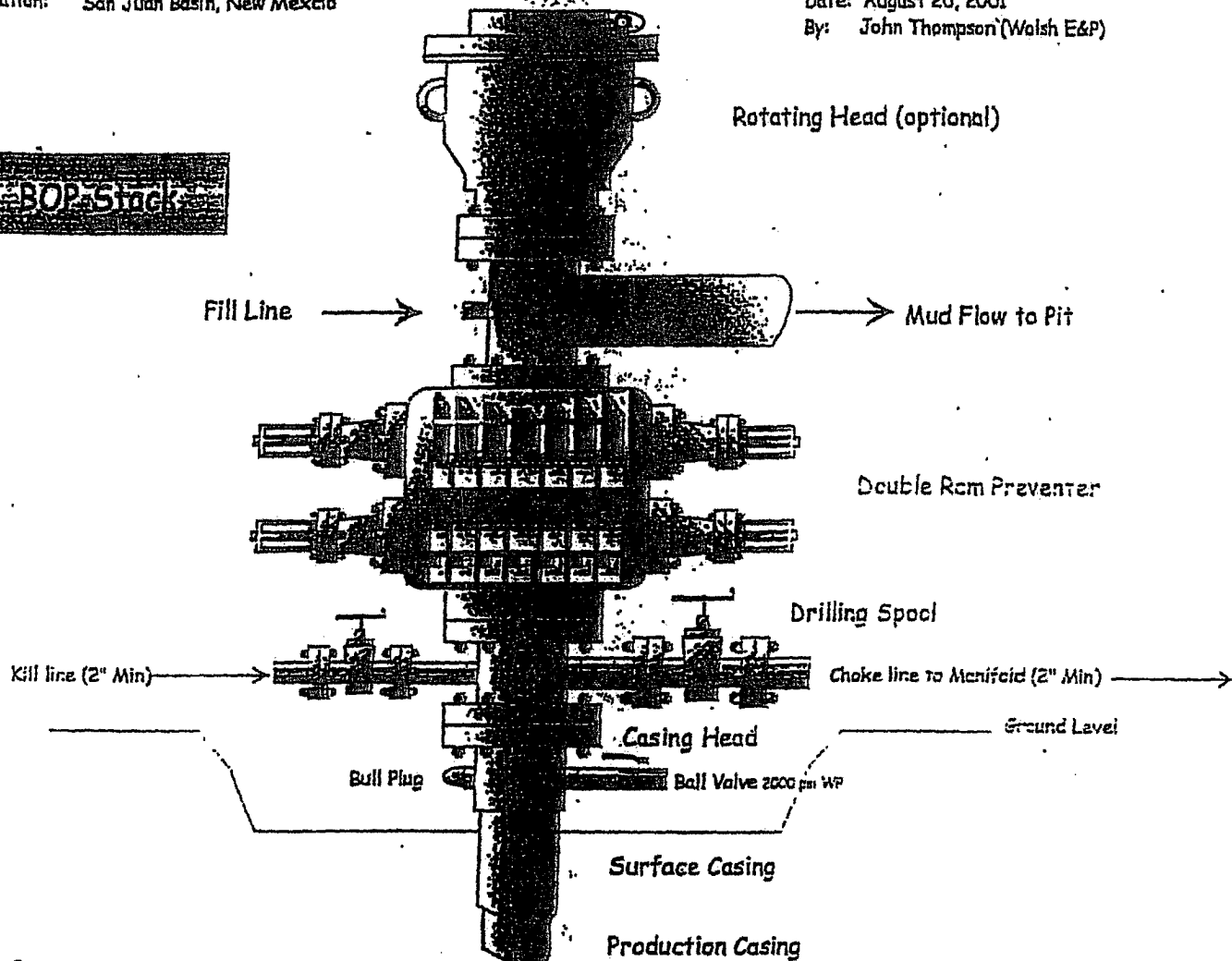
Typical BOP setup

Location: San Juan Basin, New Mexico

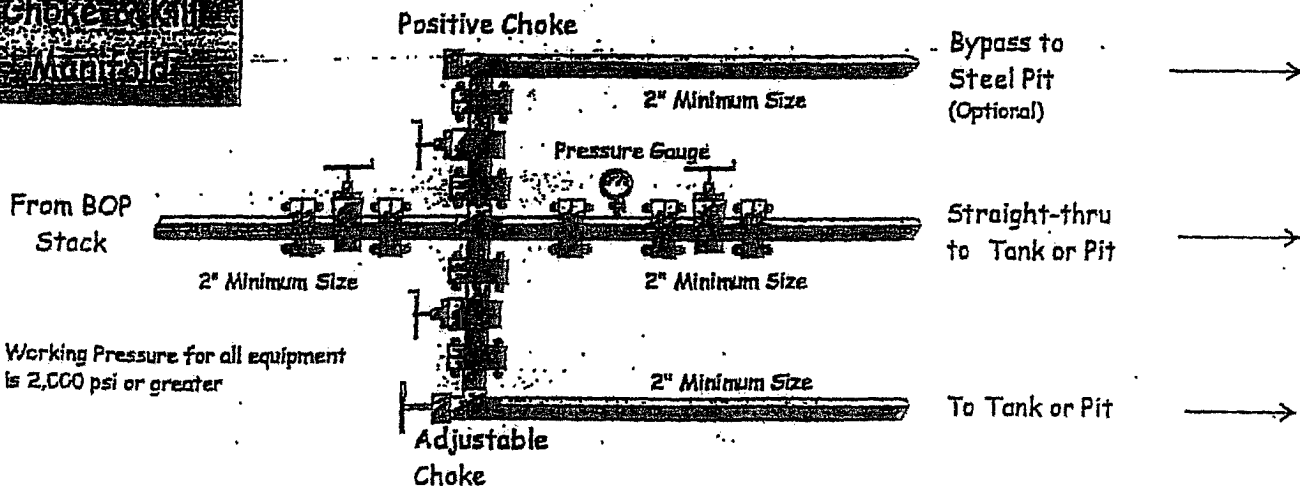
Date: August 20, 2001

By: John Thompson (Walsh E&P)

BOP Stack



Choke & Kill Manifold



Working Pressure for all equipment is 2,000 psi or greater