In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
APR 02 2008
Bureau of Land Management
Farmington Field Office

5	Lease Designation and Serial No.	Fee	
6.	If Indian, Allottee or Tribe Name	N/A	
7.	If Unit or CA, Agreement Designation	Rosa Unit	
1.	Type of Well Oil Well Gas Well X Other	8.	Well Name and No. Rosa Unit #25C
2	Name of Operator WILLIAMS PRODUCTION COMPANY	9.	API Well No. 30-039-30479
3.	Address and Telephone No PO BOX 640 Aztec, NM 87410-0640	10	Field and Pool, or Exploratory Area Blanco MV
4.	Location of Well (Footage, Sec , T., R , M., or Survey Description) Surface: 1130' FSL & 1560' FWL Sec. 15, T31N, R6W BHL 990' FSL & 330' FWL Sec 15, T31N, R6W	11.	County or Parish, State Rio Arriba, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
X Notice of Intent	Abandonment	X Change of Plans
Subsequent Report	Recompletion	New Construction
Final Abandonment	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
	X Other *Surface*	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. hereby requests authorization to drill the above well from a surface location sharing a pad with the Rosa Unit #208 as well as P&A'd wells Rosa Unit #25 and Rosa Unit 142. The well will be drilled to a location under Navajo Lake per attached plans. Well will be drilled utilizing a closed loop drilling system. The surface location is under Bureau of Reclamation authority. There was a site visit 6-28-07 including Bill Liess (BLM), Mark Chiarito (BOR) and Steve Mueller (NMSP). All agreed that this was the best site for surface location.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RCVD JUN 19 '08
OIL CONS. DIV.
DIST. 3

PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, PROPOSED ALTERNATIVE METHOD OR CLOSURE PLAN TO BE DESIGNED, CONSTRUCTED, OPERATED & CLOSED PURSUANT TO NMOCD RULE 19.15.17 EFFECTIVE 06/16/08

Hold C104
for Directional Survey
and "As Drilled" plat

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

Signed Larry Higgins Title Drilling COM Date 4-2-08

(This space for Federal or State office use)

Approved by Troy L Salyers Title PE Date 6-16-08

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.

NMOCD

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

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
	72319	BLANCO MESAVERDE

[4] Property Code	[5] Property Name	[6] Well Number
17033	ROSA UNIT	25C

[7] OGRID No.	[8] Operator Name	[9] Elevation
120782	WILLIAMS PRODUCTION COMPANY	6154'

[10] Surface Location

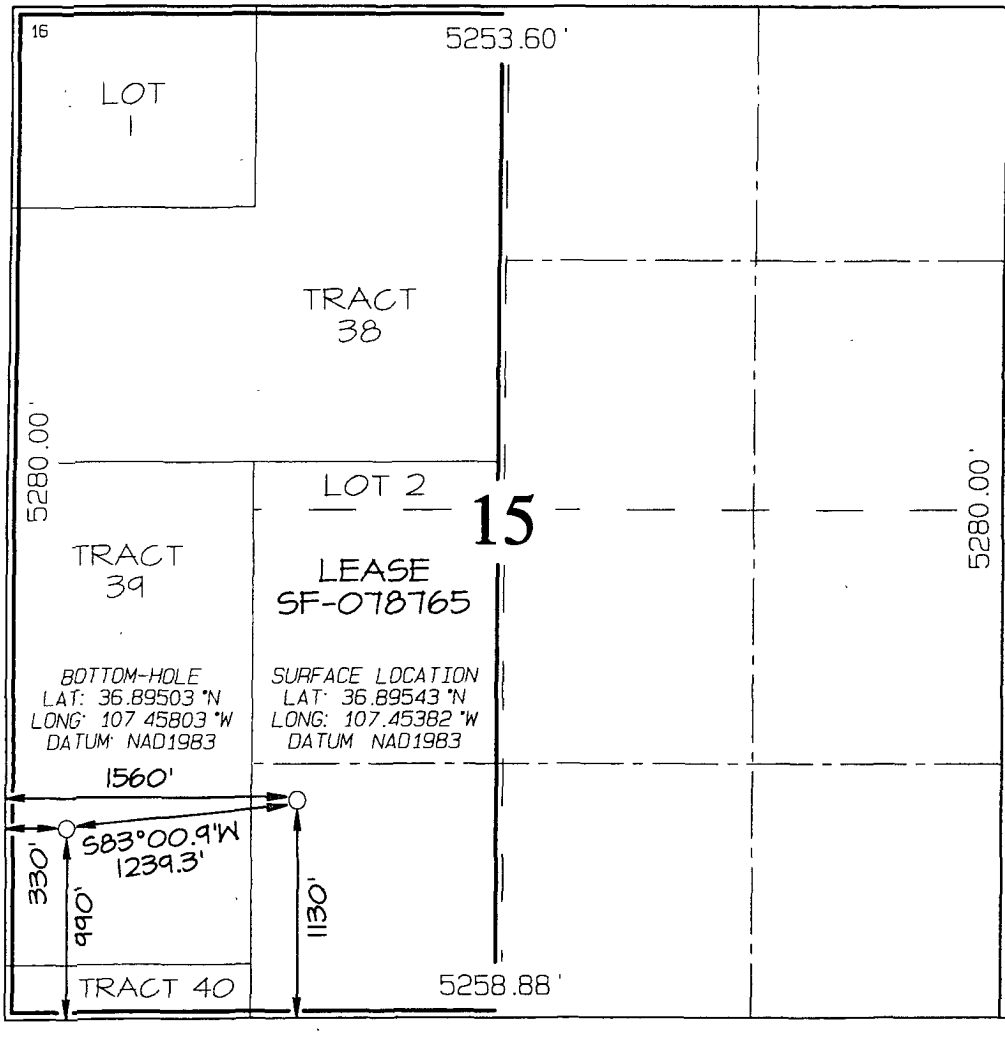
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	31N	6W		1130	SOUTH	1560	WEST	RIO ARRIBA

[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
M	15	31N	6W		990	SOUTH	330	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No
320.0 Acres - (W/2)			

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, 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.

Larry Higgins 2-11-08
Signature Date

LARRY HIGGINS
Printed Name

[18] SURVEYOR CERTIFICATION

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

Date of Survey: MARCH 15, 2007

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

WILLIAMS PRODUCTION COMPANY

Operations Plan

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

DATE:	12/18/2007	**FIELD:**	Blanco MV
WELL NAME:	Rosa #25C	**SURFACE:**	~~BLM~~ BOR
BH LOCATION:	SWSW Sec 15-31N-6W Rio Arriba, NM	**MINERALS:**	BLM
SURF LOCATION:	SESW Sec 15-31N-6W		
ELEVATION:	6,154' GR	**LEASE #**	SF-078765
MEASURED DEPTH:	**6,252'**		

I. **GEOLOGY:** Surface formation - San Jose

A. **FORMATION TOPS:** (KB)

Name		TVD	MD		Name		TVD	MD
Ojo Alamo		2,163	2,419		Cliff House		5,173	5,496
Kirtland		2,278	2,551		Menefee		5,223	5,546
Fruitland		2,738	3,051		Point Lookout		5,453	5,776
Picture Cliffs		2,988	3,308		Mancos		5,753	6,076
Lewis		3,288	3,611		**TD**		**5,928**	**6,252**

B. **MUD LOGGING PROGRAM:** None

C. **LOGGING PROGRAM:** Cased hole 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:

CASING TYPE	OH SIZE (IN)	DEPTH (MD) (FT)	CASING SIZE (IN)	WEIGHT(LB)	GRADE
Surface	12 1/4	310	9 5/8	36	K-55
Intermediate	8 3/4	3,786	7	23	K-55
Liner	6 1/4	3,686 6,252	4 1/2	10.5	J-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., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. **(NTL-FRA 90-1).**

3. PRODUCTION CASING: 4-1/2" 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 (205 cu.ft.) of "Type III" + 2% $CaCl_2$ + ¼ # 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 – 480 sx (998 cu.ft.) of "Premium Light" with 8% gel, 1% $CaCl_2$ 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 (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 = 1068 cu ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.

3. PRODUCTION LINER: 10 bbl Gelled Water spacer. Cement: 155 sx (328 ft^3) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, ¼ #/sk cello flake and 4% Phenoseal. (Yield = 2.15 ft^3/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 328 ft^3. 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
Sr. Drilling Engineer

Rosa #025C Dir Ops Plan.doc

Weatherford®

Drilling Services

PROPOSAL

Williams®

WILLIAMS PRODUCTION COMPANY
ROSA UNIT #25-C
RIO ARRIBA COUNTY, NEW MEXICO
WELL FILE: **PLAN 1**

Submitted: December 10, 2007

Weatherford International Ltd.
P.O. Box 61028
Midland, Texas 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

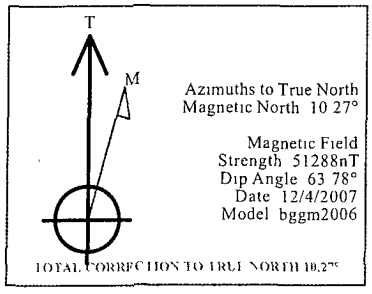
ROSA UNIT #25-C
RIO ARRIBA CO., NEW MEXICO

Williams

Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 00	0 00	263 03	0 00	0 00	0 00	0 00	0 00	0 00	
2	400 00	0 00	263 03	400 00	0 00	0 00	0 00	0 00	0 00	
3	1827 29	42 82	263 03	1698 10	-61 81	-505 20	3 00	263 03	508 96	
4	1925 09	42 82	263 03	1769 83	-69 88	-571 18	0 00	0 00	575 43	
5	3786 77	0 00	263 03	3463 00	-150 50	-1230 13	2 30	180 00	1239 30	Int Cs Pt
6	6251 77	0 00	263 03	5928 00	-150 50	-1230 13	0 00	263 03	1239 30	PBHL

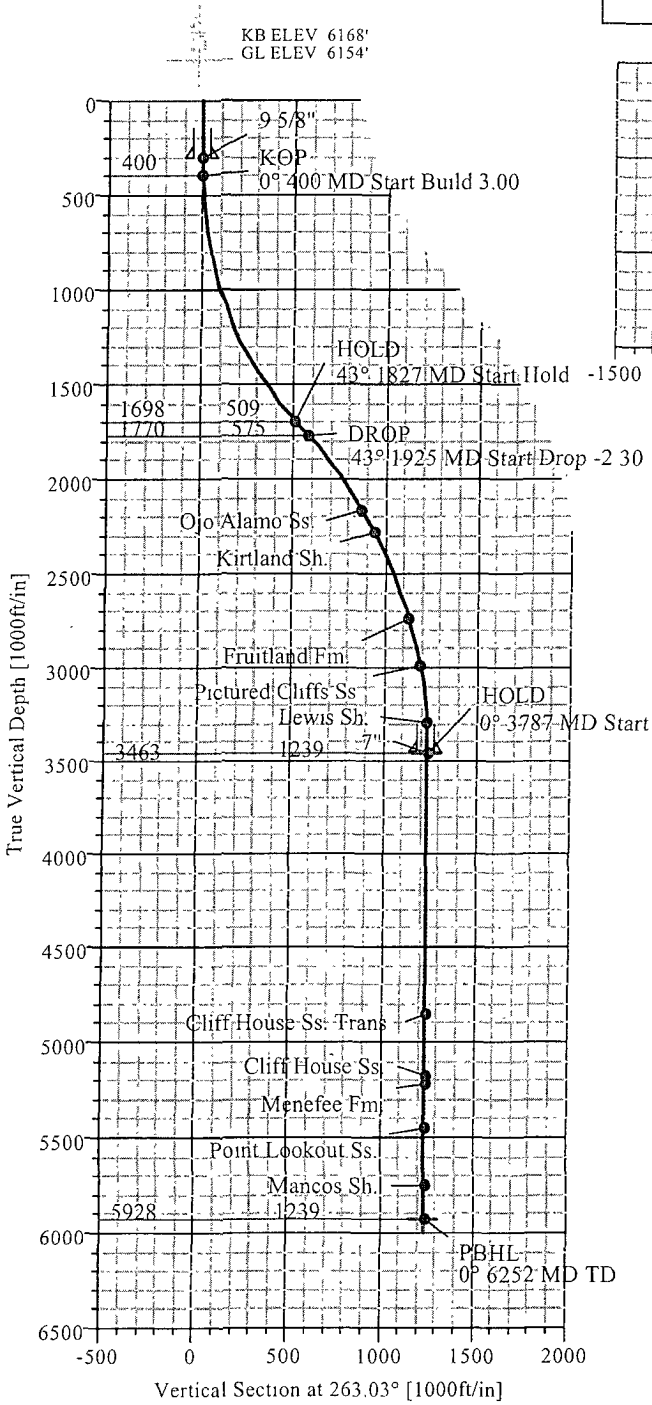


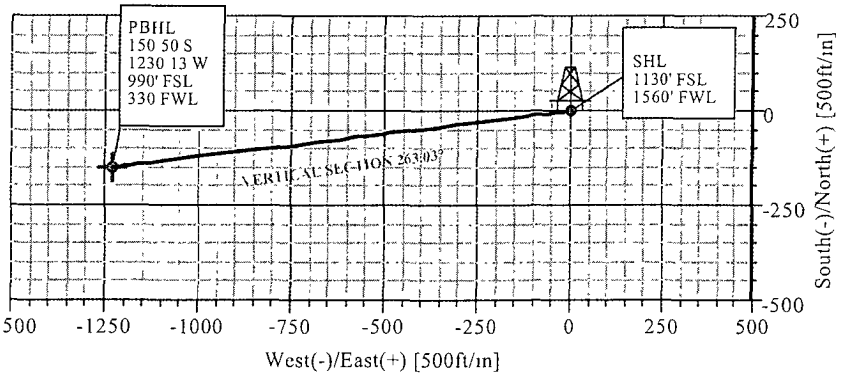
WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#25C	0 00	0 00	2145487 47	2834070 11	36°53'43 548N	107°27'13 752W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Int Cs Pt	3463 00	-150 50	-1230 13	36°53'42 060N	107°27'28 897W	Point
PBHL	5928 00	-150 50	-1230 13	36°53'42 060N	107°27'28 897W	Point





CASING DETAILS

No	TVD	MD	Name	Size
1	300 00	300 00	9 5/8"	9 625
2	3463 00	3786 77	7"	7 000

SITE DETAILS

Rosa Unit #25C
1130' FSL 1560' FWL of SEC 15 T 31N R 6W

Site Centre Latitude 36°53'43 548N
Longitude 107°27'13 752W

Ground Level 6154 00
Positional Uncertainty 0 00
Convergence 0 23

FORMATION TOP DETAILS

No	TVDPath	MDPath	Formation
1	2163 00	2419 09	Ojo Alamo Ss
2	2278 00	2551 81	Kirtland Sh
3	2738 00	3051 13	Fruitland Fm
4	2988 00	3308 85	Pictured Cliffs Ss
5	3288 00	3611 63	Lewis Sh
6	4853 00	5176 77	Cliff House Ss Trans
7	5173 00	5496 77	Cliff House Ss
8	5223 00	5546 77	Menefee Fm
9	5453 00	5776 77	Point Lookout Ss
10	5753 00	6076 77	Mancos Sh

FIELD DETAILS

Rio Arriba County (NAD 83)

Geodetic System US State Plane Coordinate System 1983
Ellipsoid GRS 1980
Zone New Mexico, Western Zone
Magnetic Model bggm2006

System Datum Mean Sea Level
Local North True North

Plan Plan #1 (#25C/1)

Created By Lindsey Maddux Date 12/10/2007

Weatherford International, Inc.
Proposal Plan Report

Company:	WILLIAMS PRODUCTION	**Date:**	12/10/2007	**Time:** 15:41:15	**Page:** 1
Field:	Rio Arriba County (NAD 83)	**Co-ordinate(NE) Reference:**	Site: Rosa Unit #25C, True North		
Site:	Rosa Unit #25C	**Vertical (TVD) Reference:**	SITE 6168.0		
Well:	#25C	**Section (VS) Reference:**	Well (0.00N,0.00E,263.03Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Plan:	Plan #1	**Date Composed:**	12/6/2007
		Version:	1
Principal:	Yes	**Tied-to:**	From Surface

Field:	Rio Arriba County (NAD 83)		
Map System:	US State Plane Coordinate System 1983	**Map Zone:**	New Mexico, Western Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	bggm2006

Site:	Rosa Unit #25C						
	1130' FSL 1560' FWL of SEC 15 T 31N R 6W						
Site Position:		**Northing:**	2145487.47 ft	**Latitude:**	36	53	43.548 N
From:	Geographic	**Easting:**	2834070.11 ft	**Longitude:**	107	27	13.752 W
Position Uncertainty:	0 00 ft			**North Reference:**			True
Ground Level:	6154 00 ft			**Grid Convergence:**			0.23 deg

Well:	#25C				**Slot Name:**			
Well Position:	+N/-S	0.00 ft	**Northing:**	2145487.47 ft	**Latitude:**	36	53	43.548 N
	+E/-W	0 00 ft	**Easting :**	2834070.11 ft	**Longitude:**	107	27	13.752 W
Position Uncertainty:		0.00 ft						

Wellpath:	1			**Drilled From:**	Surface
				Tie-on Depth:	0.00 ft
Current Datum:	SITE	**Height**	6168.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	12/4/2007			**Declination:**	10.27 deg
Field Strength:	51288 nT			**Mag Dip Angle:**	63.78 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0 00	0.00	263.03

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0 00	263.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
400 00	0.00	263 03	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1827.29	42.82	263.03	1698 10	-61.81	-505.20	3 00	3 00	0.00	263.03	
1925 09	42 82	263.03	1769.83	-69 88	-571.18	0.00	0.00	0 00	0.00	
3786 77	0.00	263 03	3463.00	-150.50	-1230.13	2 30	-2 30	0.00	180.00	Int. Cs Pt.
6251.77	0.00	263.03	5928 00	-150.50	-1230.13	0 00	0.00	0.00	263.03	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
400.00	0.00	263.03	400.00	0.00	0.00	0 00	0.00	0 00	0.00	KOP
500 00	3 00	263.03	499.95	-0 32	-2 60	2.62	3 00	0.00	3.00	
600.00	6 00	263.03	599.63	-1 27	-10 38	10.46	3.00	0.00	3.00	
700 00	9.00	263 03	698 77	-2.86	-23 34	23.51	3.00	0.00	3 00	
800 00	12.00	263 03	797.08	-5 07	-41 43	41.74	3 00	0.00	3.00	
900 00	15.00	263 03	894.31	-7.90	-64.60	65.08	3 00	0.00	3 00	
1000.00	18.00	263.03	990.18	-11.35	-92.78	93.48	3.00	0.00	3.00	
1100.00	21.00	263.03	1084.43	-15.40	-125 91	126 85	3.00	0.00	3.00	
1200 00	24 00	263 03	1176.81	-20 05	-163 89	165.12	3 00	0.00	3 00	
1300.00	27.00	263.03	1267.06	-25.28	-206.62	208 16	3.00	0.00	3.00	
1400.00	30 00	263.03	1354.93	-31.07	-253.98	255.87	3.00	0.00	3.00	
1500 00	33.00	263 03	1440.18	-37.42	-305.84	308.12	3 00	0.00	3 00	
1600 00	36.00	263.03	1522.59	-44.29	-362.05	364 75	3.00	0.00	3.00	
1700 00	39.00	263.03	1601.91	-51.69	-422.47	425.62	3 00	0.00	3 00	
1800 00	42 00	263.03	1677 95	-59 57	-486.93	490.56	3.00	0.00	3 00	

Weatherford International, Inc.
Proposal Plan Report

Company:	WILLIAMS PRODUCTION	**Date:**	12/10/2007	**Time:** 15:41:15	**Page:** 2
Field:	Rio Arriba County (NAD 83)	**Co-ordinate(NE) Reference:**	Site: Rosa Unit #25C, True North		
Site:	Rosa Unit #25C	**Vertical (TVD) Reference:**	SITE 6168.0		
Well:	#25C	**Section (VS) Reference:**	Well (0.00N,0.00E,263.03Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
1827.29	42.82	263.03	1698.10	-61.81	-505.20	508.96	3.00	0.00	3.00	HOLD
1900.00	42.82	263.03	1751.43	-67.81	-554.25	558.38	0.00	0.00	0.00	
1925.09	42.82	263.03	1769.83	-69.88	-571.18	575.43	0.00	0.00	0.00	DROP
2000.00	41.10	263.03	1825.54	-75.96	-620.89	625.52	-2.30	0.00	2.30	
2100.00	38.80	263.03	1902.20	-83.76	-684.61	689.72	-2.30	0.00	2.30	
2200.00	36.50	263.03	1981.37	-91.17	-745.24	750.79	-2.30	0.00	2.30	
2300.00	34.20	263.03	2062.93	-98.20	-802.65	808.64	-2.30	0.00	2.30	
2400.00	31.90	263.03	2146.75	-104.82	-856.78	863.17	-2.30	0.00	2.30	
2419.09	31.46	263.03	2163.00	-106.04	-866.73	873.19	-2.30	0.00	2.30	Ojo Alamo Ss.
2500.00	29.60	263.03	2232.69	-111.03	-907.52	914.29	-2.30	0.00	2.30	
2551.81	28.40	263.03	2278.00	-114.08	-932.45	939.40	-2.30	0.00	2.30	Kirtland Sh.
2600.00	27.30	263.03	2320.61	-116.81	-954.80	961.92	-2.30	0.00	2.30	
2700.00	25.00	263.03	2410.37	-122.16	-998.53	1005.98	-2.30	0.00	2.30	
2800.00	22.70	263.03	2501.83	-127.07	-1038.66	1046.40	-2.30	0.00	2.30	
2900.00	20.40	263.03	2594.84	-131.53	-1075.11	1083.13	-2.30	0.00	2.30	
3000.00	18.10	263.03	2689.24	-135.53	-1107.83	1116.09	-2.30	0.00	2.30	
3051.13	16.92	263.03	2738.00	-137.40	-1123.09	1131.47	-2.30	0.00	2.30	Fruitland Fm.
3100.00	15.80	263.03	2784.89	-139.07	-1136.75	1145.23	-2.30	0.00	2.30	
3200.00	13.50	263.03	2881.64	-142.14	-1161.85	1170.51	-2.30	0.00	2.30	
3300.00	11.20	263.03	2979.32	-144.74	-1183.07	1191.89	-2.30	0.00	2.30	
3308.85	10.99	263.02	2988.00	-144.95	-1184.76	1193.59	-2.30	0.00	2.30	Pictured Cliffs Ss.
3400.00	8.90	263.03	3077.78	-146.86	-1200.38	1209.33	-2.30	0.00	2.30	
3500.00	6.60	263.03	3176.86	-148.49	-1213.76	1222.81	-2.30	0.00	2.30	
3600.00	4.30	263.03	3276.40	-149.65	-1223.18	1232.30	-2.30	0.00	2.30	
3611.63	4.03	263.03	3288.00	-149.75	-1224.02	1233.15	-2.30	0.00	2.30	Lewis Sh.
3700.00	2.00	263.03	3376.24	-150.31	-1228.63	1237.79	-2.30	0.00	2.30	
3786.77	0.00	263.03	3463.00	-150.50	-1230.13	1239.30	-2.30	0.00	2.30	Int. Cs. Pt.
3800.00	0.00	263.03	3476.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
3900.00	0.00	263.03	3576.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4000.00	0.00	263.03	3676.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4100.00	0.00	263.03	3776.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4200.00	0.00	263.03	3876.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4300.00	0.00	263.03	3976.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4400.00	0.00	263.03	4076.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4500.00	0.00	263.03	4176.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4600.00	0.00	263.03	4276.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4700.00	0.00	263.03	4376.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4800.00	0.00	263.03	4476.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
4900.00	0.00	263.03	4576.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5000.00	0.00	263.03	4676.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5100.00	0.00	263.03	4776.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5176.77	0.00	263.03	4853.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	Cliff House Ss. Tran
5200.00	0.00	263.03	4876.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5300.00	0.00	263.03	4976.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5400.00	0.00	263.03	5076.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5496.77	0.00	263.03	5173.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	Cliff House Ss
5500.00	0.00	263.03	5176.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5546.77	0.00	263.03	5223.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	Menefee Fm.
5600.00	0.00	263.03	5276.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5700.00	0.00	263.03	5376.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5776.77	0.00	263.03	5453.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	Point Lookout Ss.
5800.00	0.00	263.03	5476.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
5900.00	0.00	263.03	5576.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	

Weatherford International, Inc.
Proposal Plan Report

Company:	WILLIAMS PRODUCTION	**Date:**	12/10/2007	**Time:**	15:41:15	**Page:**	3
Field:	Rio Arriba County (NAD 83)	**Co-ordinate(NE) Reference:**	Site: Rosa Unit #25C, True North				
Site:	Rosa Unit #25C	**Vertical (TVD) Reference:**	SITE 6168.0				
Well:	#25C	**Section (VS) Reference:**	Well (0.00N,0.00E,263.03Azi)				
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase		

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
6000.00	0 00	263.03	5676.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
6076.77	0.00	263.03	5753.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	Mancos Sh.
6100.00	0.00	263.03	5776.23	-150.50	-1230.13	1239.30	0.00	0.00	0 00	
6200.00	0 00	263.03	5876.23	-150.50	-1230.13	1239.30	0.00	0.00	0.00	
6251 77	0.00	263.03	5928.00	-150.50	-1230.13	1239.30	0 00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
Int. Cs Pt. -Plan hit target			3463.00	-150.50	-1230.13	2145332.09	2832840 59	36 53 42.060 N	107 27 28 897 W
PBHL -Plan hit target			5928 00	-150.50	-1230.13	2145332.09	2832840.59	36 53 42 060 N	107 27 28 897 W

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2419 09	2163.00	Ojo Alamo Ss.		0 00	0.00
2551.81	2278.00	Kirtland Sh		0.00	0.00
3051.13	2738.00	Fruitland Fm.		0.00	0.00
3308.85	2988 00	Pictured Cliffs Ss.		0.00	0.00
3611.63	3288.00	Lewis Sh.		0 00	0 00
5176.77	4853 00	Cliff House Ss. Trans.		0.00	0.00
5496.77	5173.00	Cliff House Ss.		0.00	0.00
5546.77	5223 00	Menefee Fm		0 00	0.00
5776.77	5453.00	Point Lookout Ss.		0.00	0.00
6076.77	5753.00	Mancos Sh.		0.00	0.00

Annotation

MD ft	TVD ft	
400.00	400 00	KOP
1827.29	1698.09	HOLD
1925.09	1769.83	DROP
3786.77	3463 00	HOLD
6251 77	5928.00	PBHL

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
300 00	300.00	9.625	12 250	9 5/8"
3786.77	3463.00	7.000	8.500	7"

Well Control Equipment Schematic for 2M Service

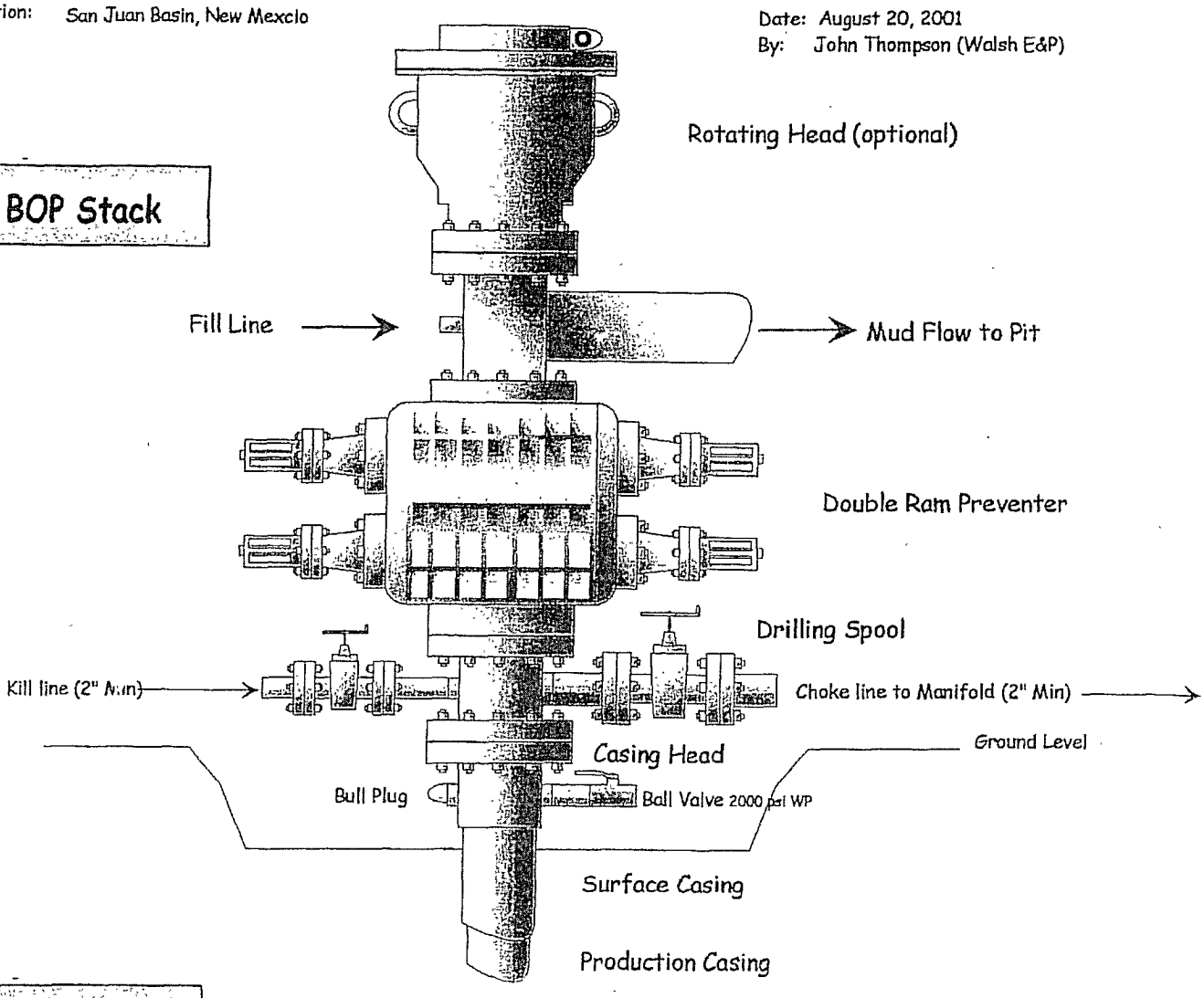
Attachment to Drilling Technical Program

Exhibit #1
Typical BOP setup

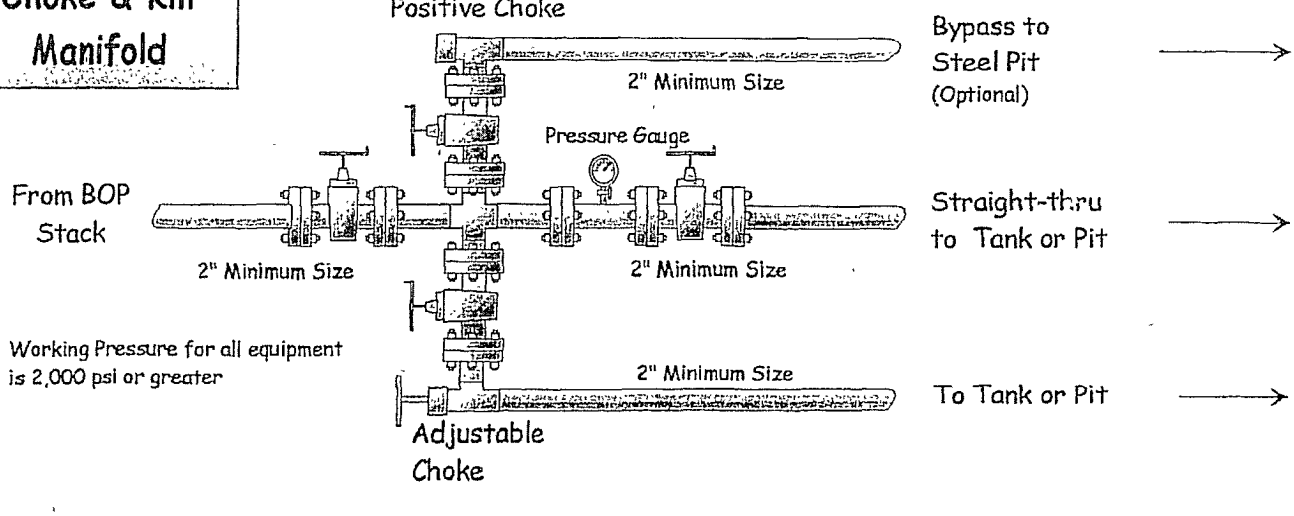
Location: San Juan Basin, New Mexcio

Date: August 20, 2001
By: John Thompson (Walsh E&P)

BOP Stack



Choke & Kill Manifold



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.

12 MULTI-POINT SURFACE USE PLAN
Rosa Unit No.25C

1. Existing Roads:

All existing roads used to access the proposed location are shown on attached maps (Figures 1.0 and 2.0) and shall be maintained in the same or better condition than presently found.

2. Planned Access Roads:

No new access road will be required for this location, as access to the Rosa No. 208 would be used. The existing access roads will be upgraded, maintained, and eventually reclaimed to current BLM Gold Book standards.

3. Location of Existing Wells:

Attached map (Figure 2.0) shows existing wells within a one-mile radius of the proposed wells.

4. Location of Production Facilities:

In the event of production, production facilities will be located on the drill pad. The actual placement of this equipment will be determined when the well's production characteristics can be evaluated after completion. Upon completion of drilling, the location and surrounding area will be cleared of all debris.

5. Water Supply:

Water for drilling and completion operations will be hauled by truck from various water sources within the area, mainly from Navajo Lake, NM and produced water from locations close to the proposed location. Reference BLM letter 3162.3-2.

6. Source of Construction Materials:

No additional construction materials will be required to build the proposed location.

7. Methods for Handling Waste Disposal:

a. The drill cuttings, fluids and completion fluids will be placed in the reserve pit. To protect livestock and wildlife, the reserve pit will be fenced. Three sides of the reserve pit will be fenced prior to drilling. The fourth side will be fenced upon the completion of drilling. The reserve pit will be allowed to dry, and materials remaining in the reserve pit buried. The reserve pit will be backfilled, leveled and contoured so as to prevent any materials being carried into the watershed. Upon completion, the pad will be leveled, contoured and reseeded with the appropriate seed mixture. A dike will enclose any tanks.

b. All garbage and trash will be placed in a metal trash basket. It will be hauled off and dumped in an approved landfill upon completion of operations.

c. Portable toilets will be provided and maintained during drilling operations. See Plat #3 for location.

8. Ancillary Facilities:

Ancillary facilities are to be based on well productivity. A 106.60-foot $4\frac{1}{2}$" OD pipeline is anticipated for the proposed well, and a pipeline plat is included as Plat #2. The pipeline disturbance would total 0.10 of an acre based on a 40-foot ROW. The pipeline would be constructed totally within the existing well pad disturbance.

9. Well Site Layout:

A cross section of the drill pad with approximate cuts, fills, and pad orientation is attached as Plat #1. Location of drilling equipment and rig orientation is also attached as Plat #3.

10. Plans for Restoration of Surface:

The well pad would be 225 feet (north to south) by 250 feet (east to west). Total acreage of new disturbance for the proposed twinned well pad would be 0.13 of an acre. When the well is abandoned, the location and access road will be cleaned and restored to the original topographical contours as much as possible. The area will be reseeded with the appropriate Bureau of Reclamation or BLM/FFO seed mixture.

The top 6" of soil material will be stripped and stockpiled on either side of the reserve pit and used for future reclamation.

Cut and fill slopes would be 3:1 or less.

Any brush and/or trees removed from the location would be used in reclamation

Drainage would be diverted around the well pad, and appropriate culverts would be installed where necessary in the existing roads. The existing wash running through the west side of the location would be routed further to the west, around the west side of the well pad. A diversion ditch would be installed above the cut slope, draining west. A silt trap, approximately 50 feet by 50 feet, would be installed at the end of the diversion near the laydown (Corner 1), within the construction zone.

Areas not used for well production will be contoured and seeded with the appropriate Bureau of Reclamation or BLM/FFO seed mixture.

Production equipment will be painted the color designated by the Bureau of Reclamation or BLM/FFO. Appropriate below-grade tank will be used for production.

11. Surface Ownership:

The surface ownership of the proposed well pad and well-tie pipeline is the Bureau of Reclamation.

12. Other Information:

The Rosa Unit #25C well is proposed within an existing well pad with minimal new disturbance along the western edge of the existing well pad. The existing and surrounding vegetation is that of a piñon/juniper woodland. Understory vegetation includes big sagebrush, rabbitbrush, antelope bitterbrush, broom snakeweed, cheatgrass, smooth brome, crested wheatgrass. Russian thistle is present in the disturbed areas.

The Rosa Unit #25C well is proposed within 500 vertical feet of the Navajo Reservoir high-water mark. However, no other suitable locations, with less new disturbance for this well could be found.

The Rosa Unit #25C well is proposed within Rosa Mesa Wildlife Specially Designated Area (SDA). Construction, drilling, and workover activities are not permitted in the SDA December 1st through March 31st to protect wintering deer and elk.

There are no residents within a one-mile radius of the proposed action.

The proposed well pad will not impact any floodplains, riparian, springs, or stock ponds. There are no ephemeral washes that will be impacted.

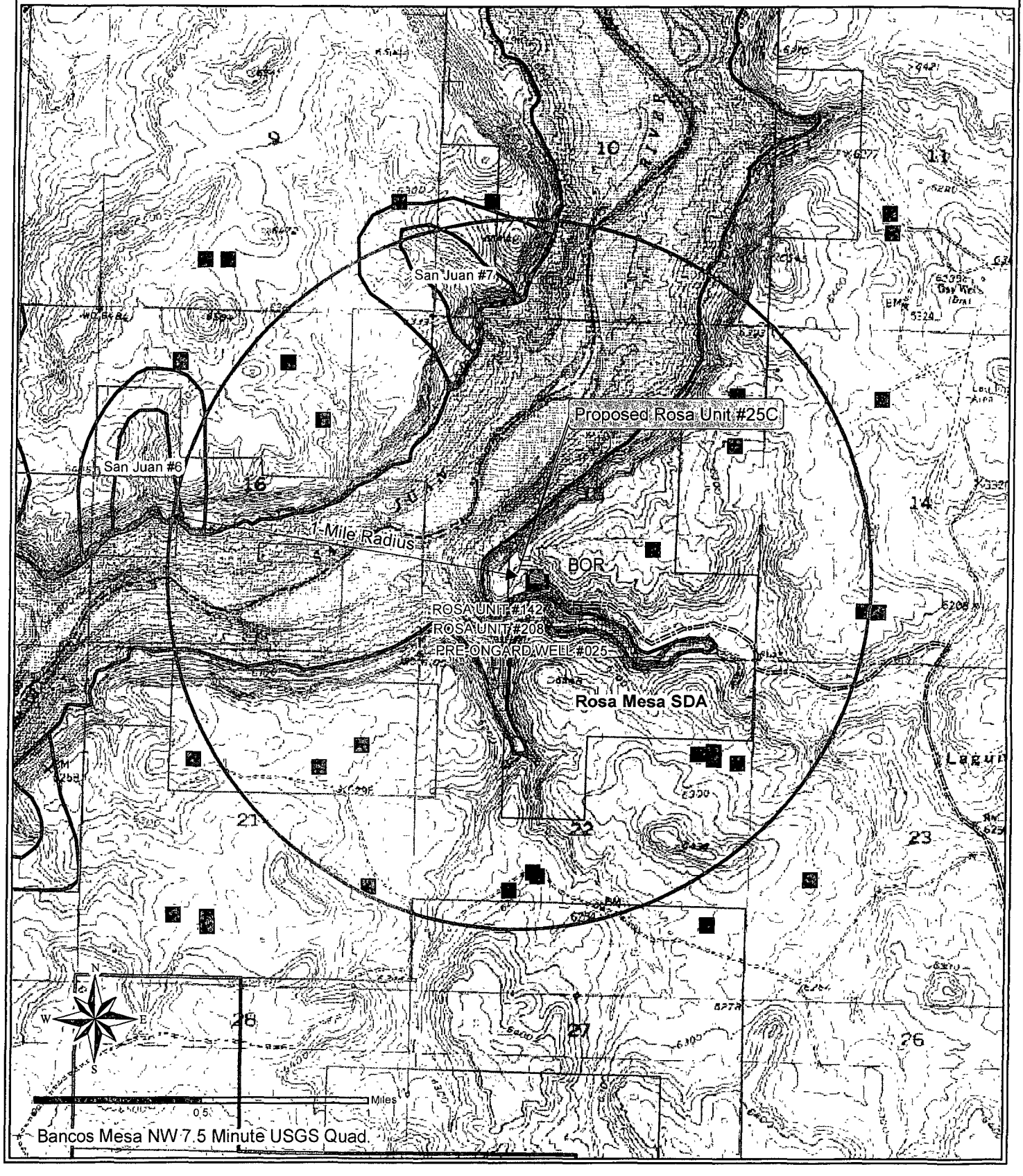
The proposed well site has been surveyed by La Plata Archaeological Consultants. Copies of their report have been sent to the Bureau of Reclamation and the BLM/FFO.

13. Lessee's or Operator's Representative:

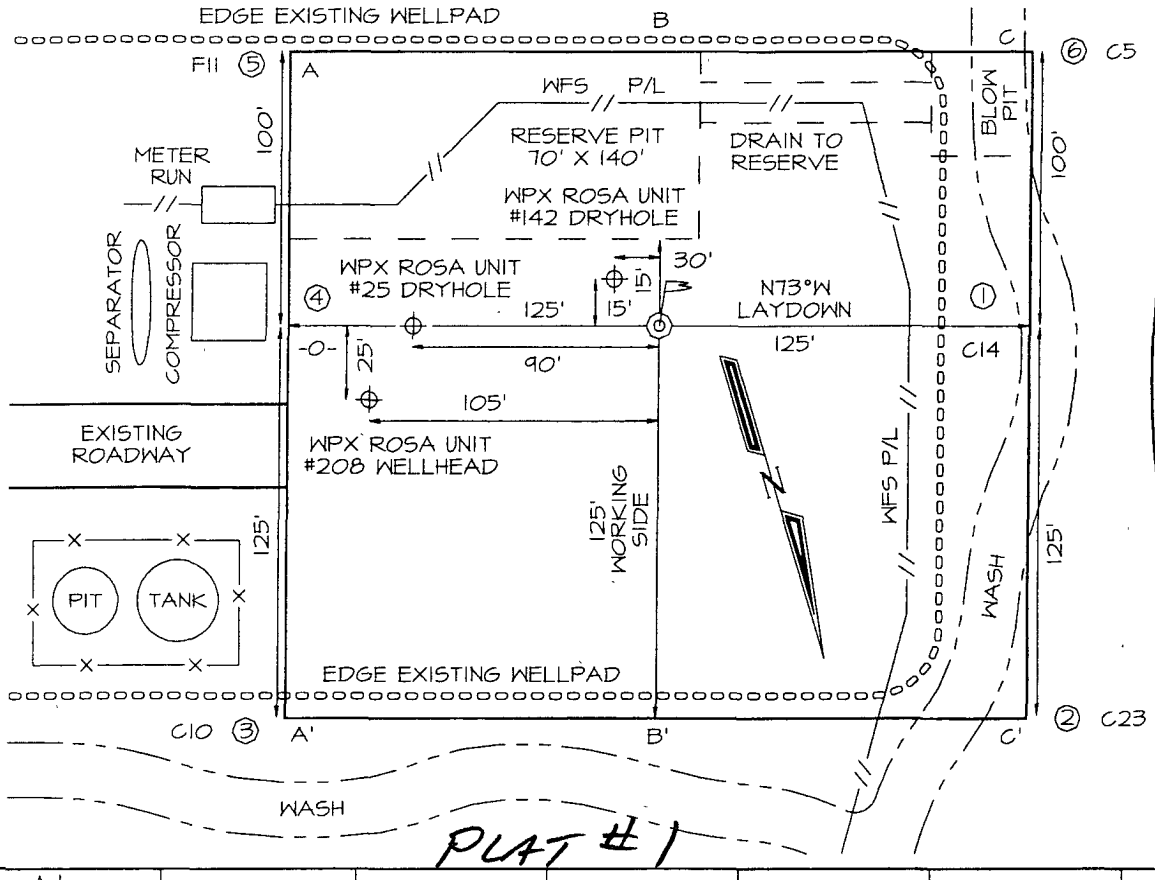
Larry Higgins
Drilling COM
Aztec, NM 87410
Phone: (505) 320-4312

Figure 1: Vicinity Map
Williams Exploration and Production Company
Proposed Rosa Unit #25C
T31N, R06W, Section 15, NMPM
Rio Arriba County, New Mexico

Figure 2: Project Area Map
Williams Exploration and Production Company
Proposed Rosa Unit #25C
T31N, R06W, Section 15, NMPM
Rio Arriba County, New Mexico

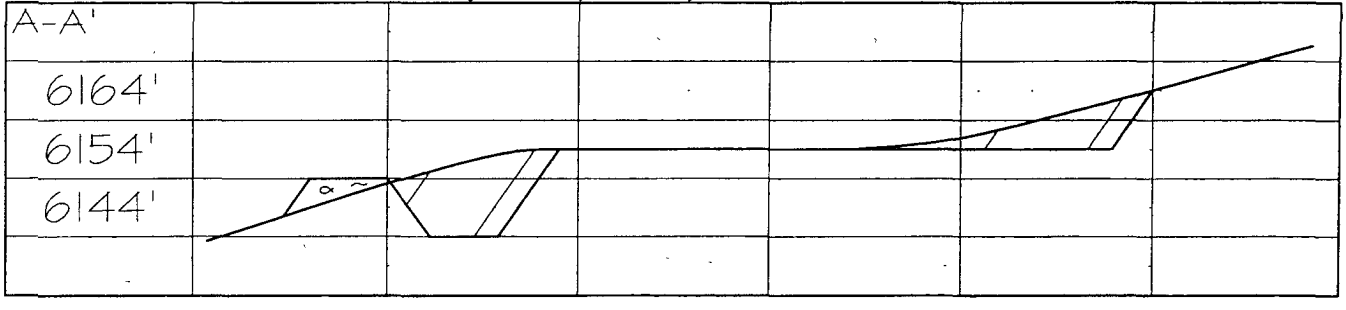


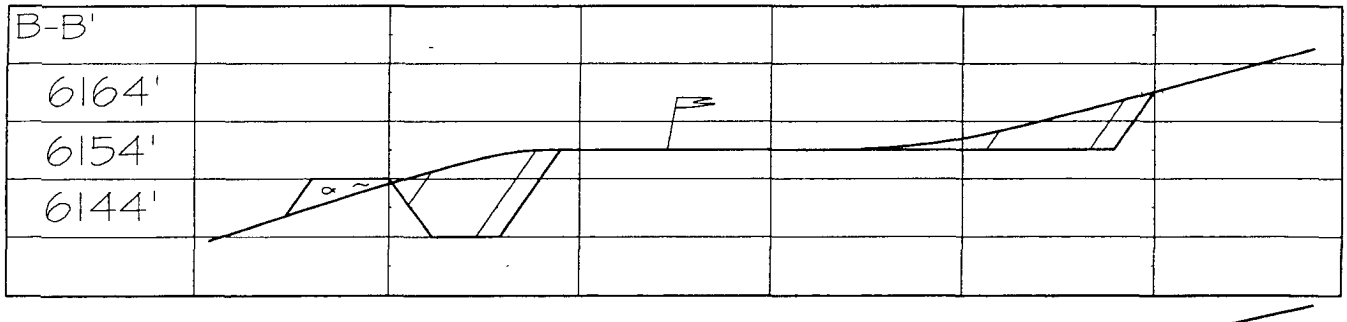
WILLIAMS PRODUCTION COMPANY ROSA UNIT #25C
1130' FSL & 1560' FWL, SECTION 15, T31N, R6W, NMPM
RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6154'

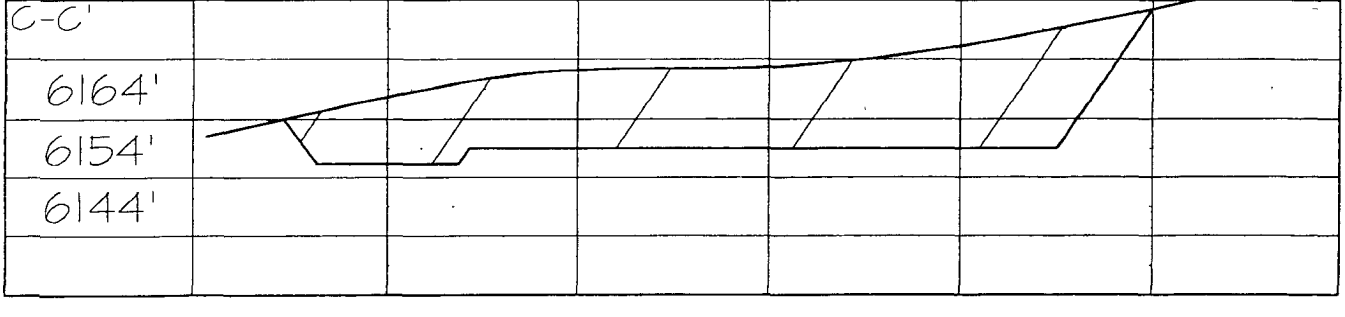


LATITUDE: 36.89543° N
LONGITUDE: 107.45382° W
DATUM NAD1983

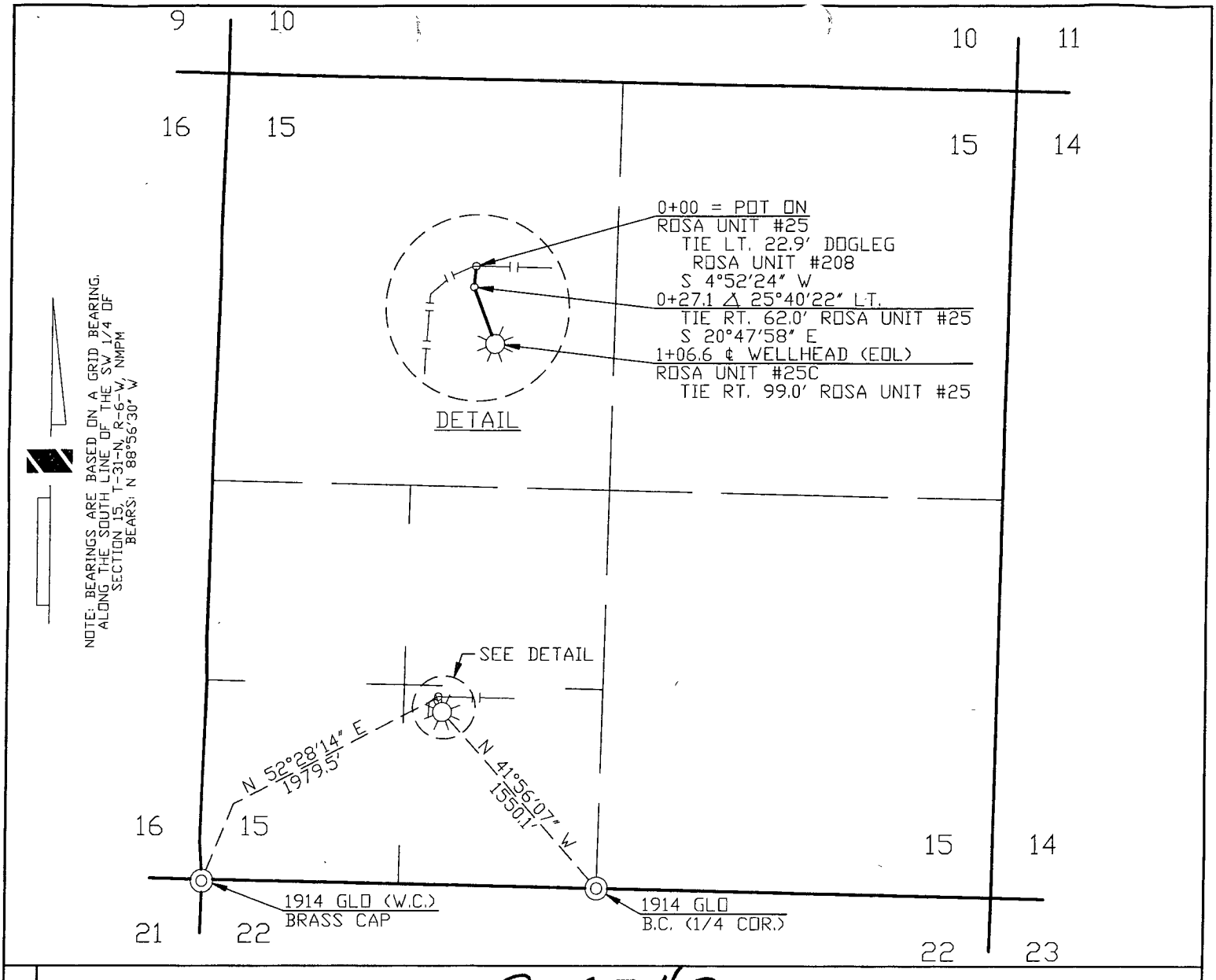
PLAT #1







FILENAME: 31615NT	SHEET 2 OF 3	NCE SURVEYS, INC.	DRAWN BY: EDO	CHECKED BY: JCE



PLAT #2

PRELIMINARY DRAWING

PIPE DATA

OWNERSHIP

SUBDIVISION	OWNER	FEET	MILES	ACRES	RODS	
0+00 TO 1+06.6	BLM/BOR	106.6	0.020	0.098	6.461	

REVISION

NO.	DATE	BY	DESCRIPTION	W.O.NO.	CHK.	APP.	NO.	DATE	BY	DESCRIPTION	W.O.NO.	CHK.	APP.
1	07/12/07	LB	ISSUED FOR REVIEW		PB								

INFO		DRAFTING	BY	DATE
R/W #:	06944	DRAWN BY	LB	07/12/07
METER #:		CHECKED BY	PB	07/13/07
SURVEYED:	03/15/07	APPROVED BY		
		ENGINEER	BY	DATE
		DESIGNED BY		
		PROJ. APPROVED		

STATE: NEW MEXICO
COUNTY: RIO ARRIBA

WILLIAMS FOUR CORNERS, LLC
ONE OF THE WILLIAMS COMPANIES

SAN JUAN GATHERING SYSTEM
WPX - ROSA UNIT #25C
0+00 = POT ON ROSA UNIT #25
(REF DWG. 48A765.0-1)
SEC. 15, T-31-N, R-6-W, NMPM

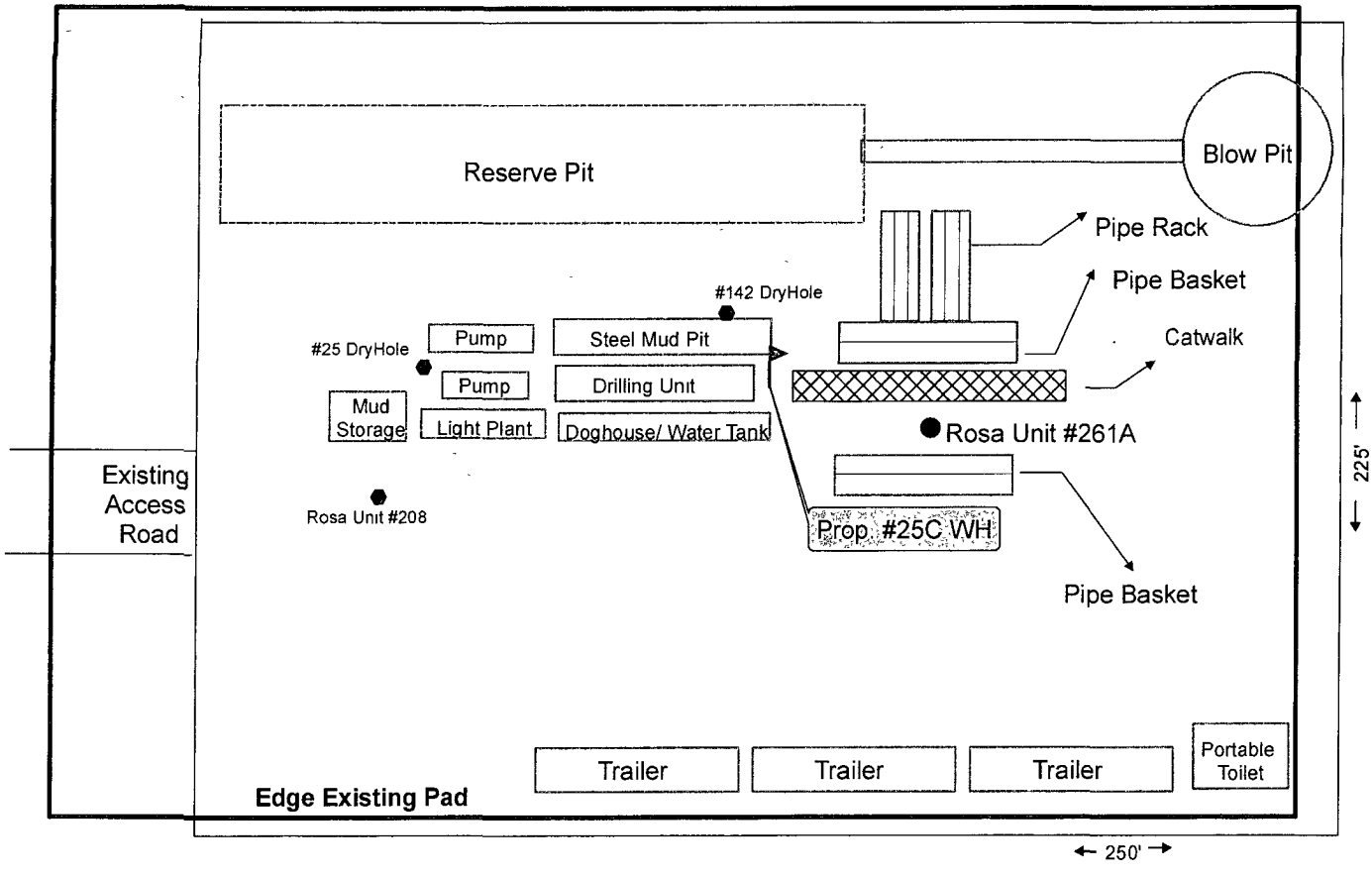
SCALE: 1" = 1000'
W.O. NO.

DWG NO. 48A765.0-157-1

SHEET 1 OF 1 | REV 1

T:\DS\MAPPING\DRAWINGS\SANJUAN\765\00\47A7650-157-1_R01.DWG 07/17/2007 11:00AM PAULB

Plat #3: Typical Well Diagram
Williams Exploration and Production Company
Proposed Rosa Unit #25C Well Pad
T31N, R06W, Section 15, NMPM
Rio Arriba County, New Mexico



N

1" = approximately 50'