

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30045-30649		* Pool Code	* Pool Name
* Property Code 10173	* Property Name SIMMONS S		* Well Number 1C
* OGRID No. 5578	* Operator Name D.J. SIMMONS, INC.		* Elevation 6036

¹⁰ Surface Location

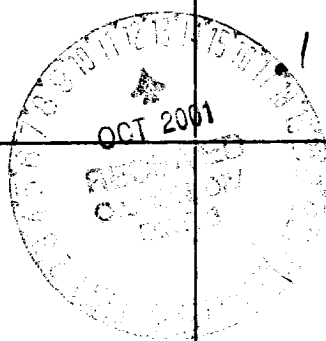
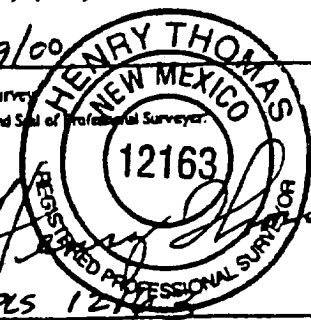
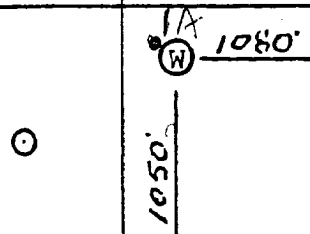
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	25	29N	9W	P	1050	SOUTH	1080	EAST	SAN JUAN

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
0	25	29N	9W		717	FSL	1862	FEL	SAN JUAN

¹² Dedicated Acres	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

16	SECTION 25				¹⁷ OPERATOR CERTIFICATION	
					I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
					Signature <u>R. R. Griffith</u> Printed Name <u>Robert R. Griffith</u> Title <u>Operations Engineer</u> Date <u>4/20/01</u>	
SIMMONS SIC Surface location				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 <u>6/29/00</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> NMPIS 12163 Certificate Number		
SIMMONS SIC Bottom Hole Location						

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-30649		² Pool Code 72319	³ Pool Name Blanco Mesa Verde
⁴ Property Code 010173	⁵ Property Name Simmons S		⁶ Well Number 001C
⁷ OGRID No. 005578	⁸ Operator Name D.J. Simmons Inc.		⁹ Elevation 6032 GL

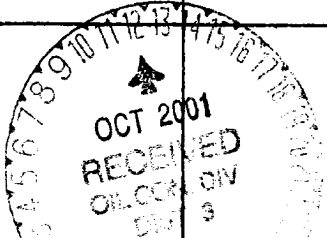
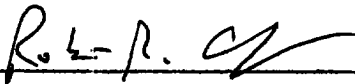
10 Surface Location

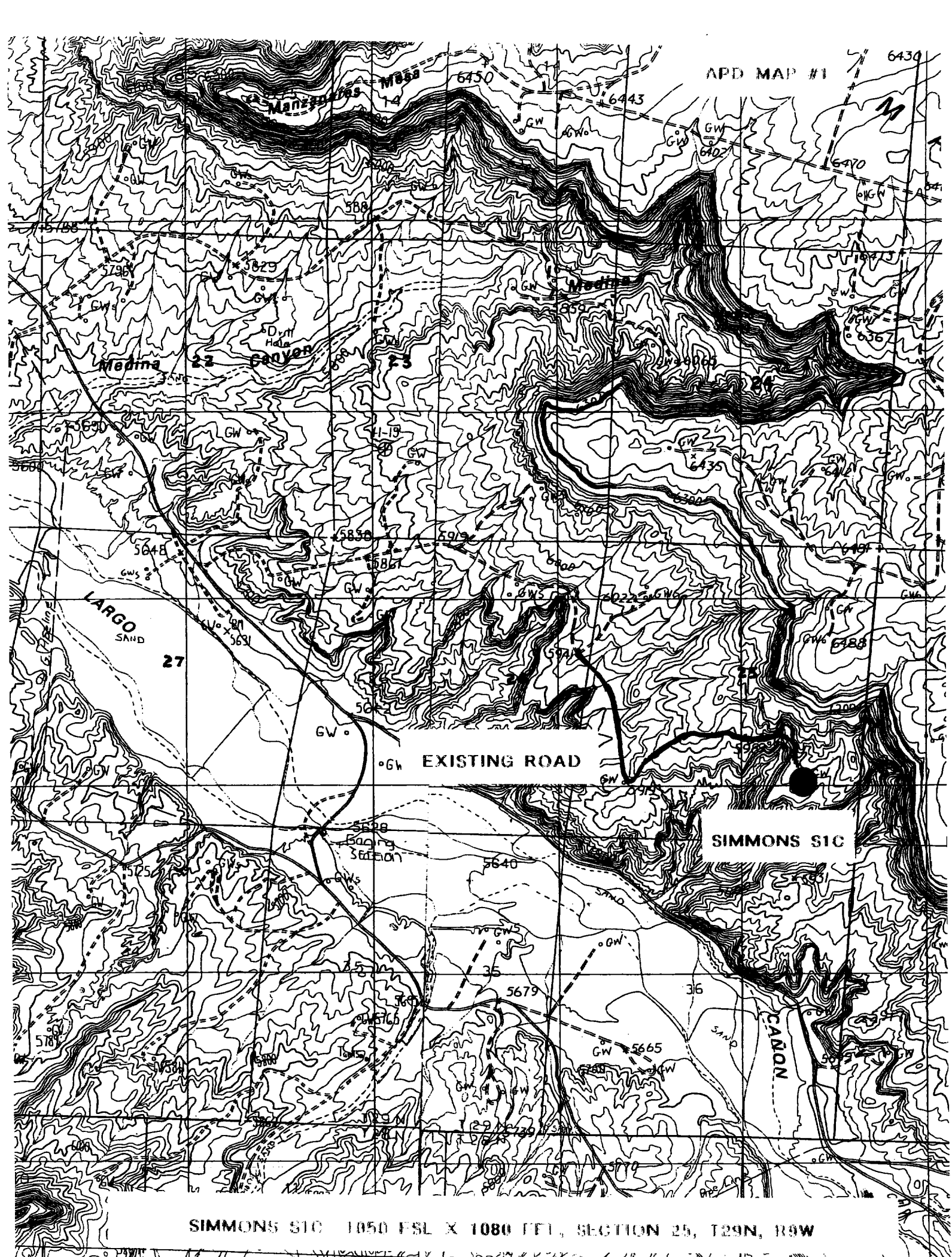
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	T29N	R9W		1050	FSL	1080	FEL	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. O	Section 25	Township T29N	Range R9W	Lot Idn	Feet from the 670	North/South line FSL	Feet from the 1940	East/West line FEL	County San Juan
¹² Dedicated Acres 298.15		¹³ Joint or Infill Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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			17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>
			 Signature Printed Name, Robert R. Griffie Title, Operations Engineer Date, 02/27/01
		Simmons S1C Surface Location	18 SURVEYOR CERTIFICATION <i>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.</i>
	Simmons S1C Bottom Hole Location		Date of Survey Signature and Seal of Professional Surveyor: Certificate Number



D.J. SIMMONS, INC.

Drilling Plan

Well Name: Simmons S1C

Surface Location: 1050 FSL x 1080 FEL, Section 25, T29N, R9W
San Juan County, NM

Bottom Hole Location: 717' FSL x 1862' FEL, Section 25

Formation: Blanco Mesa Verde

Elevation: 6036' GL

Geology:

Formation	Top True Vertical Depth	Top Measured Depth	Probable Content
San Jose	Surface	Surface	
Ojo Alamo	1446	1446	salt water
Kirtland	1576	1576	gas/water
Fruitland	2206	2208	gas
Pictured Cliffs	2486	2510	gas
Mesa Verde	4116	4394	gas
Menefee	4222	4500	gas
PointLookout	4726	5004	gas

Logging Program: Spectral Density, Epithermal Neutron, Induction Log from TD to intermediate casing shoe.

Drilling Fluid Program:

* Note: all depths are Measured Vertical Depths

Interval	Fluid Type	Weight	Viscosity	Fluid Loss
0' – 250'	fresh water spud mud	8.4 – 9.0 ppg	30 – 50 sec	no control
250' – 3068'	fresh water, LSND	8.4 – 9.0 ppg	30 – 50 sec	no control
3068' – 5678'	air/mist	n/a	n/a	n/a

Casing Program:

* Note: all depths are Measured Depths

Interval	Hole Diameter	Csg Size	Wt.	Grade	Thread
0' – 250'	12 1/4"	9 5/8"	32 ppf	J-55	STC
0' – 3068'	8 3/4"	7"	20 ppf	J-55	STC
0 – 5678'	6 1/4"	4 1/2"	15.5 ppf	J-55	STC

rrg\S1CdrillingplanAPD.doc

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D.J. Simmons, Inc.

P.O. Box 1469
3005 Northridge Dr.

Farmington, New Mexico 87499
87401

(505) 326-3753

FAX (505) 327-4659

Tubing Program: 0 – 5600', 2 3/8", 4.7 ppf, J55, EUE

BOPE and Wellhead Specifications and Testing:

From surface casing shoe to intermediate casing depth: 9 5/8" 3000 psi threaded casing head with two 2" outlets. 11", 3000 psi double gate BOP and 3000 psi choke manifold (see figures 1 and 2). Pressure test BOPE to 3000 psi and 9 5/8" surface casing to 600 psi prior to drilling surface casing shoe.

From intermediate casing shoe to TD: 7", 3000 psi threaded casing head with two 2" outlets. 3000 psi double gate BOP and 3000 psi choke manifold (see figures 1 and 2). Pressure test BOPE to 3000 psi and 7" intermediate casing to 1000 psi prior to drilling surface casing shoe.

For completion operations: 7" x 2 3/8", 3000 psi tree assembly. 7 1/16", 3000 psi double gate BOP system (see figure 3).

General Operation:

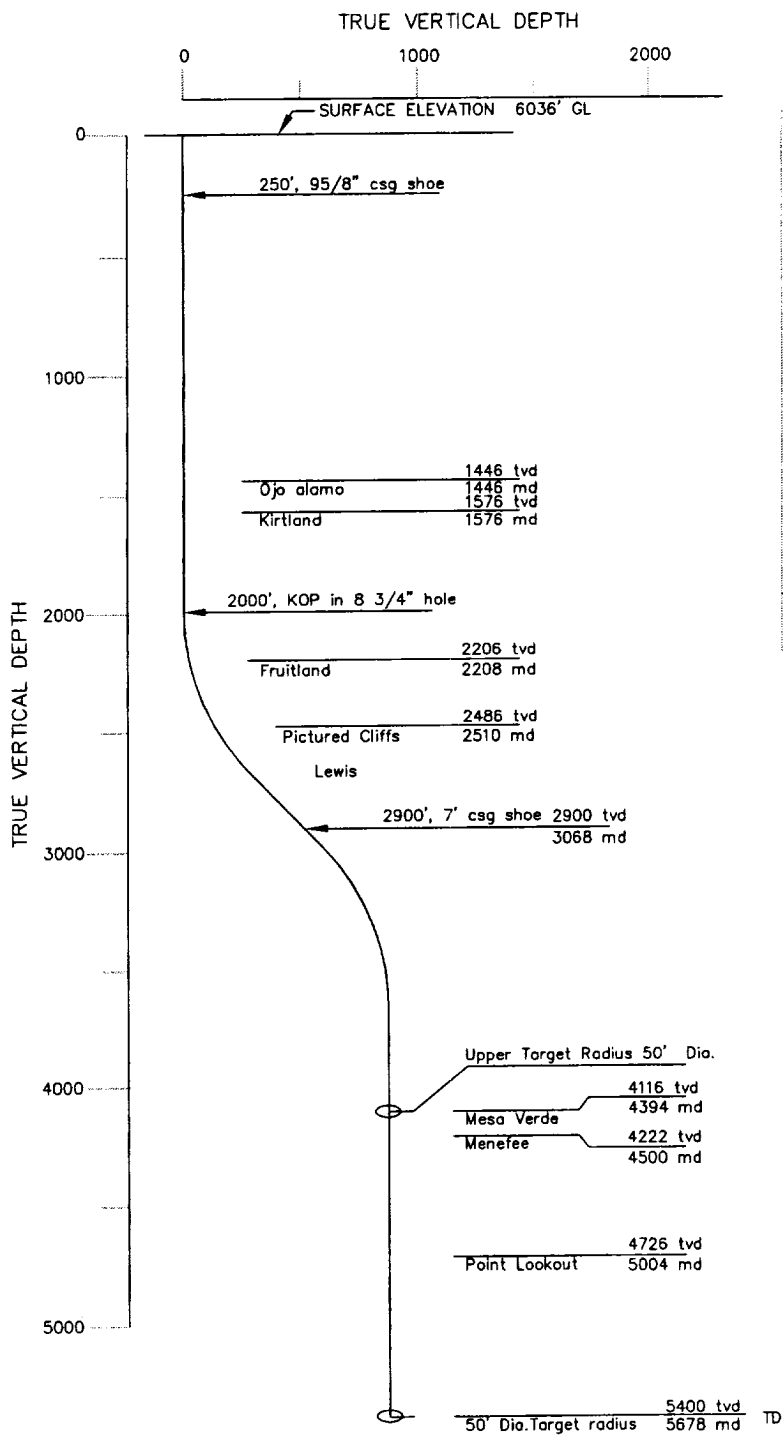
- Actuate pipe rams once each day during drilling operations. Actuate blind rams once each trip.
- An upper Kelly cock valve, with handle, will be available on the rig floor to fit each drilling string.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in the daily drilling report.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing Program:

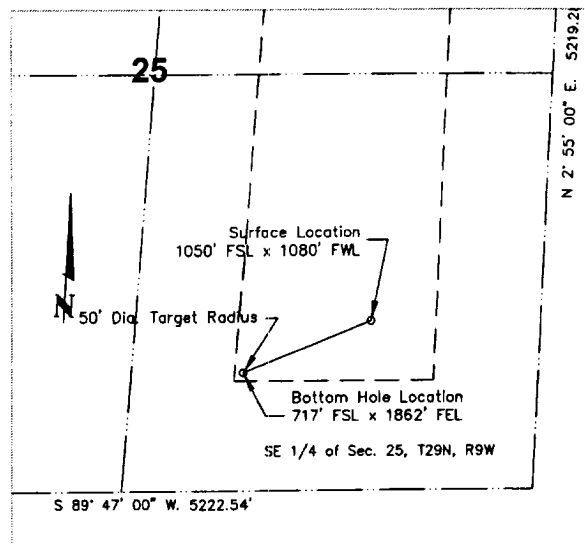
9 5/8" Surface Casing String: Run casing with saw tooth guide shoe on bottom, insert float valve one joint from bottom, and install bowspring centralizers as per Onshore Order #2. Cement with 150 sks class 'b' with 1/4 #/sk flocele and 3% CaCl₂ (175 cf slurry, 100% excess to circulate to surface).

7" Intermediate Casing String: Run casing with swirl pattern guide shoe on bottom and float collar one joint from bottom. Install one bowspring centralizer every other joint from intermediate TD to the base of the Ojo Alamo. Install two turbolating centralizers at the base of the Ojo Alamo. Continue installing bow spring centralizers every other joint to the base of the surface casing. Cement with 590 sks class 'g' 50/50 poz with 2% CaCl₂, 2% gel, 1/4 #/sk flocele, 5 #/sk gilsonite (944 cf slurry, 100% excess to circulate to surface). If cement does not circulate to surface, run CBL to determine top of cement.

4 1/2" Production Casing String: Run casing with float shoe on bottom, float collar one joint from bottom and centralizers every other joint through out MesaVerde section. Cement with class 'g' 50/50 poz with 2% CaCl₂, 2% gel, 1/4 #/sk flocele, 5 #/sk. Slurry volume to be calculated from open hole log caliper plug 25% excess. Top of cement to be at least 100ft above intermediate casing shoe.



**SIMMONS S1C
SECTION VIEW**



**MAP VIEW
SIMMONS S1C
SE 1/4, Sec. 25, T29N, R9W**

D.J.SIMMONS, INC

1009 Ridgeway Place
SUITE 200
FARMINGTON, NM 87401

PH. (505) 328-3753
FAX (505) 327-4659

email: djsimmonsinc@cyberport.com

APPROVED:

DRWN BY: DLP

CHK'D BY:

PROJECT NO:

DATE: 5/10/01

**SIMMONS S1C
SECTION 25, T29N, R9W**

* * * N A U T I C A L (V e r s i o n 4 . 0) * * *

Well: Simmons S1C DESIGN DATA

Target Azimuth: 246.97

Closure Direction: 247

Target TVD: 5400

Calculation Method - Minimum Curvature

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	True Vertical Depth (ft)	Vertical Section (ft)	North/South (ft)	East/West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
0.00	0.00	246.97	0.00	0.00	0.00	0.00	<==== Tie-in Data				
2,000.00	0.00	246.97	2,000.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	0.00
2,100.00	6.00	246.97	2,099.82	5.23	-2.05	-4.81	5.23	0.060	0.000	6.00	6.00
2,200.00	12.00	246.97	2,198.54	20.87	-8.16	-19.20	20.87	0.060	0.000	6.00	6.00
2,208.00	12.48	246.97	2,206.36	22.56	-8.83	-20.77	22.56	0.060	0.000	6.00	6.00
2,300.00	18.00	246.97	2,295.09	46.74	-18.28	-43.01	46.74	0.060	0.000	6.00	6.00
2,400.00	24.00	246.97	2,388.40	82.56	-32.30	-75.98	82.56	0.060	0.000	6.00	6.00
2,500.00	30.00	246.97	2,477.46	127.94	-50.05	-117.74	127.94	0.060	0.000	6.00	6.00
2,510.00	30.60	246.97	2,486.10	132.98	-52.02	-122.38	132.98	0.060	0.000	6.00	6.00
2,600.00	36.00	246.97	2,561.29	182.38	-71.35	-167.84	182.38	0.060	0.000	6.00	6.00
2,700.00	42.00	246.97	2,638.97	245.28	-95.96	-225.73	245.28	0.060	0.000	6.00	6.00
2,750.00	45.00	246.97	2,675.24	279.69	-109.42	-257.40	279.69	0.060	0.000	6.00	6.00
3,067.86	45.00	246.97	2,900.00	504.45	-197.35	-464.25	504.45	0.000	0.000	0.00	0.00
3,188.31	45.00	246.97	2,985.17	589.62	-230.67	-542.63	589.62	0.000	0.000	0.00	0.00
3,288.31	39.00	246.97	3,059.45	656.51	-256.83	-604.18	656.51	-0.060	0.000	6.00	6.00
3,388.31	33.00	246.97	3,140.31	715.26	-279.82	-658.25	715.26	-0.060	0.000	6.00	6.00
3,488.31	27.00	246.97	3,226.88	765.24	-299.37	-704.25	765.24	-0.060	0.000	6.00	6.00
3,588.31	21.00	246.97	3,318.19	805.89	-315.27	-741.66	805.89	-0.060	0.000	6.00	6.00
3,688.31	15.00	246.97	3,413.25	836.78	-327.36	-770.09	836.78	-0.060	0.000	6.00	6.00
3,788.31	9.00	246.97	3,511.02	857.56	-335.49	-789.21	857.56	-0.060	0.000	6.00	6.00
3,888.31	3.00	246.97	3,610.43	868.01	-339.58	-798.83	868.01	-0.060	0.000	6.00	6.00
3,938.31	0.00	246.97	3,660.41	869.32	-340.09	-800.03	869.32	-0.060	0.000	6.00	6.00
4,393.90	0.00	246.97	4,116.00	869.32	-340.09	-800.03	869.32	0.000	0.000	0.00	0.00
4,499.90	0.00	246.97	4,222.00	869.32	-340.09	-800.03	869.32	0.000	0.000	0.00	0.00
5,003.90	0.00	246.97	4,726.00	869.32	-340.09	-800.03	869.32	0.000	0.000	0.00	0.00
5,677.90	0.00	246.97	5,400.00	869.32	-340.09	-800.03	869.32	0.000	0.000	0.00	0.00