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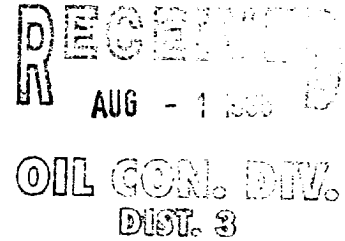


OFF: (505) 325-8786

LAB: (505) 325-5667

July 31, 1995

Mr. Frank T. Chavez, District Supervisor
State of New Mexico Oil Conservation Division
Aztec District Office
1000 Rio Brazos Road
Aztec, NM 87410



RE: REQUEST FOR ADMINISTRATIVE APPROVAL TO INTENTIONALLY
DEVIATE A WELL FROM VERTICAL

Dear Mr. Chavez:

On behalf of D. J. Simmons Company, Ltd., I do hereby submit this letter of request to intentionally deviate the Simmons E-2 from the vertical by sidetracking. Said well is located in Section 23, T-29-N, R-9-W, San Juan County, New Mexico. The surface hole location is 890' FSL & 990' FWL. The bottomhole location will be 1480' FWL & 1380' FSL.

The purpose of the sidetracking is improve the drainage of the unit (see engineering notes and Exhibits attached). The bottom hole location is orthodox and within the drilling window for the Blanco Mesa Verde pool.

Your assistance granting administrative approval will be appreciated.

Yours truly,

Robert L. Crabb
On Site Technologies, Ltd.
Agent for D. J. Simmons Company, Ltd.

APPROVAL IS GRANTED FOR THE ABOVE REQUEST

SIGNATURE

TYPED OR PRINTED NAME

TITLE

DATE

P. O. BOX 2606 • FARMINGTON, NM 87499

District I
P.O. Box 1980, Hobbs, NM 88241
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410
District IV
P.O. Box 2088, Santa Fe, NM 87504

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 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

1. API Number	2. Pool Code 72319	3. Pool Name BLANCO MESA VERDE
4. Property Code	5. Property Name BUREAU OF LAND MANAGEMENT	6. Well Number E-2
7. OGRID No.	8. Operator Name D.J. SIMMONS COMPANY, LTD.	9. Elevation

10. Surface Location

UL or lot no. M	Section 23	Township 29 North	Range 9 West	Lot Idn	Feet from the 890	North/South line SOUTH	Feet from the 990	East/West line WEST	County SAN JUAN
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11. Bottom Hole Location If Different From Surface

UL or lot no. K	Section 23	Township 29 North	Range 9 West	Lot Idn	Feet from the 1380	North/South line SOUTH	Feet from the 1480	East/West line WEST	County SAN JUAN
12. Dedicated Acres 320	13. Joint or Infill	14. Consolidation Code	15. Order No.						

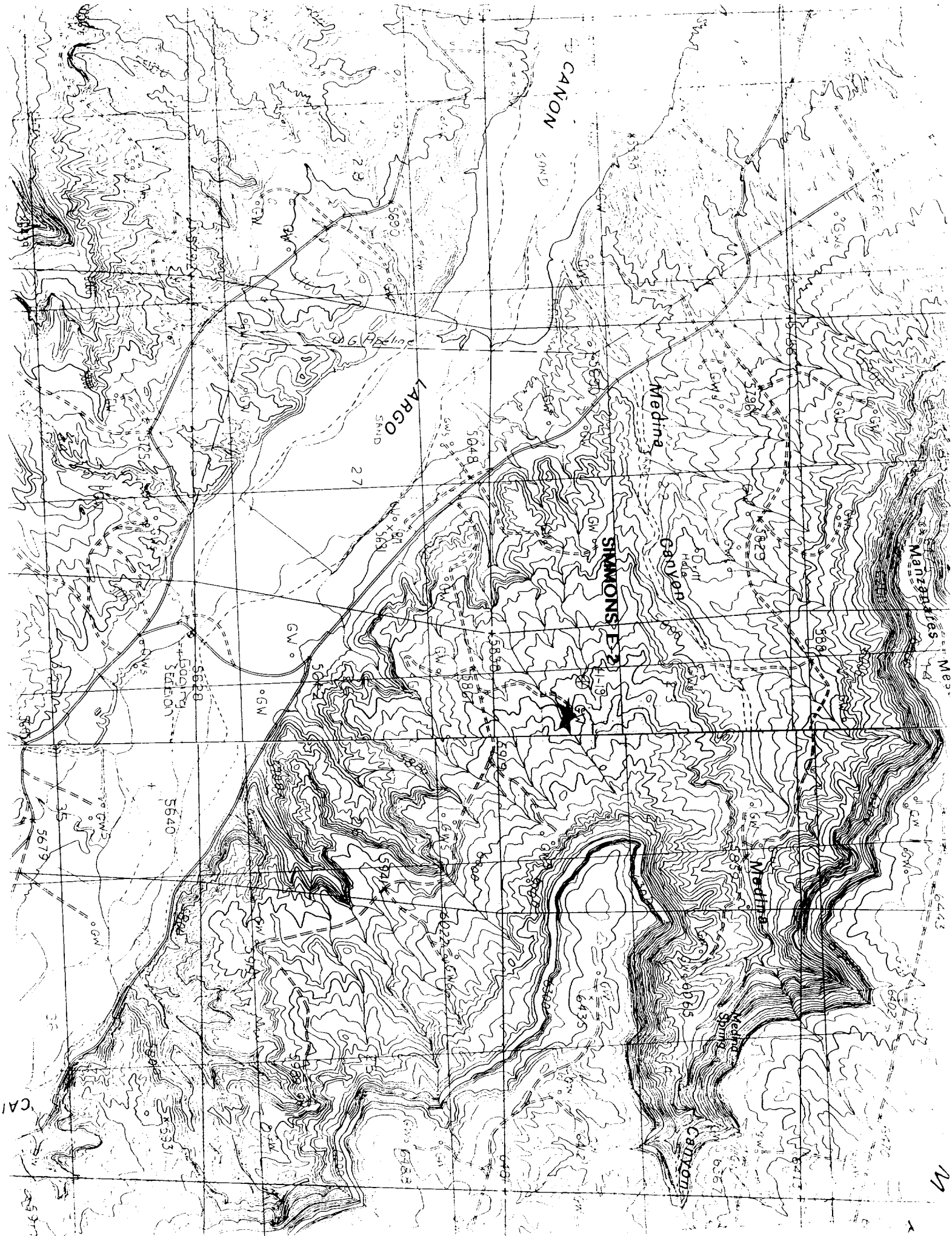
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

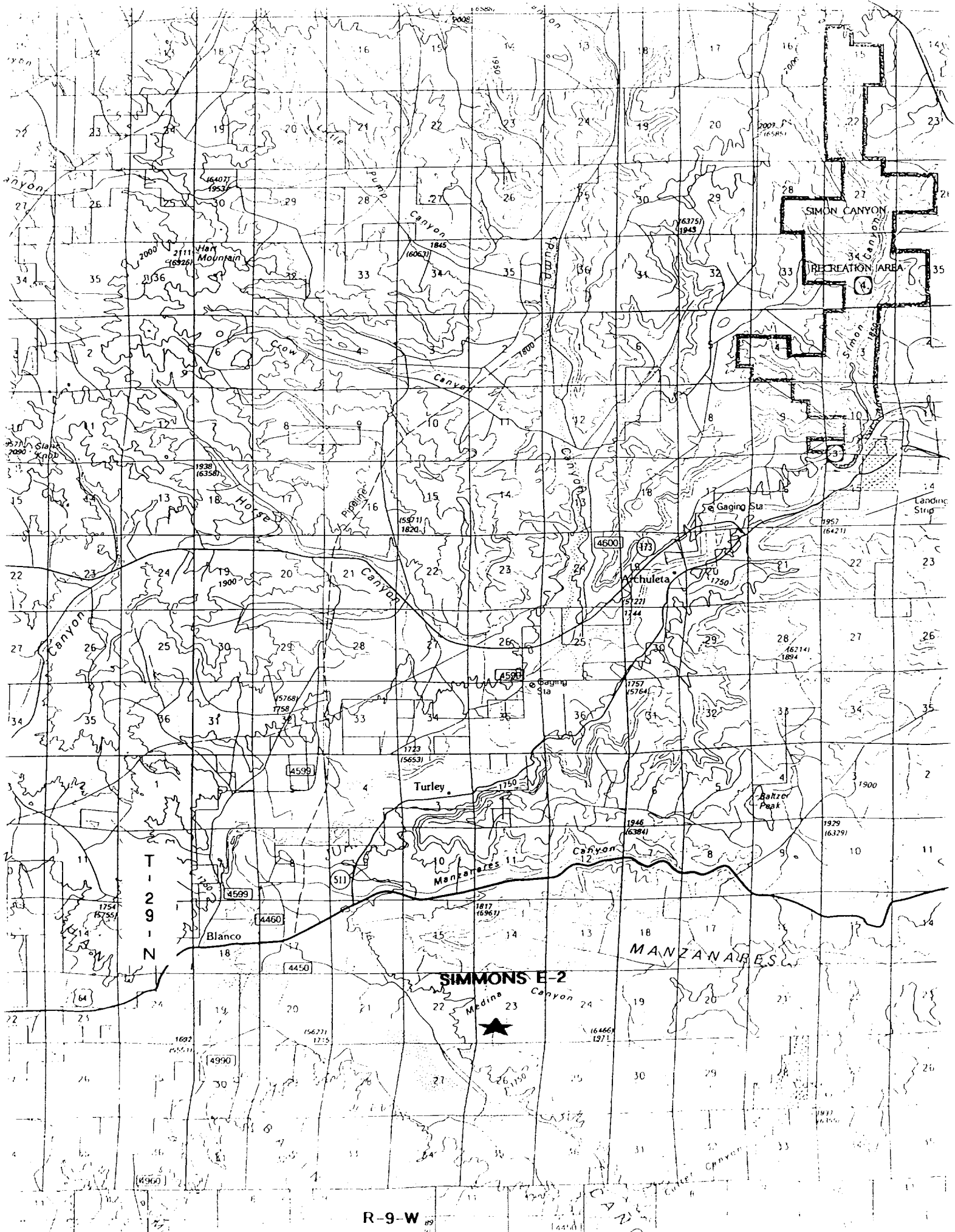
16.				17. OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature
				Printed Name ROBERT L. CRABB Title AGENT FOR D.J. SIMMONS COMPANY, LTD. Date JULY 31, 1995
				18. SURVEYOR CERTIFICATION I hereby certify 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 Signature and Seal of Professional Surveyer
				Certificate Number

RECEIVED
AUG - 1 1995
OIL CON. DIV.
DIST. 3

 **BOTOM HOLE LOCATION**

 **ORIGINAL LOCATION**





ENGINEERING NOTES

Simmons E-2

Blanco Mesa Verde Sidetrack
Directional Drilling Plan

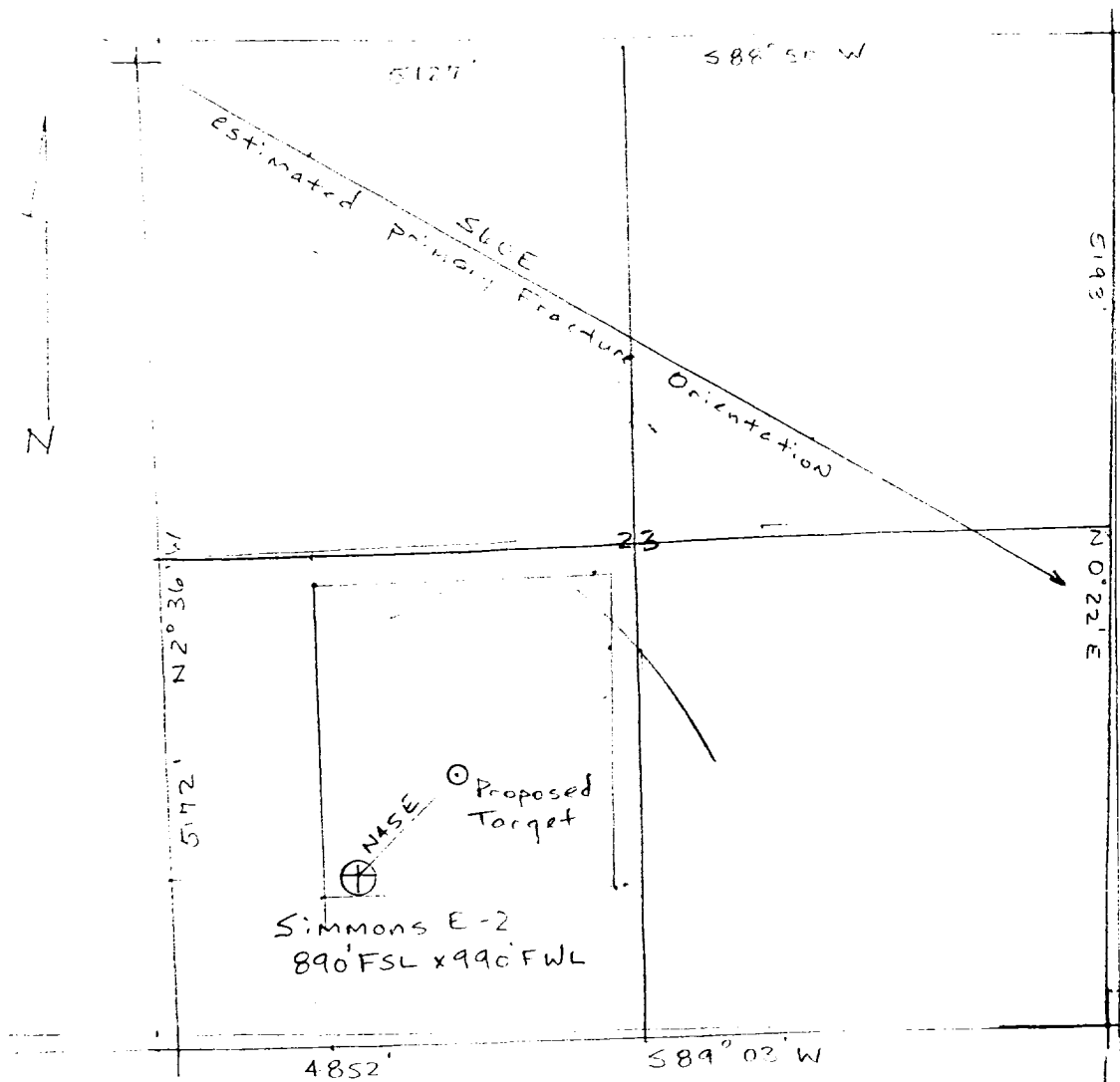
Engineering Calculations

22-141 10 SHEETS
22-142 10 SHEETS
22-143 200 SHEETS

On Site Technologies Ltd
R. GRIFFIN

Section 23 T29N R9W
 San Juan County, NM

22-141 50 SHEETS
 22-142 100 SHEETS
 22-144 200 SHEETS



Date: 10/15/2011
 Prepared by: Map Service
 LTM Survey

R. G. F. Co.
 On Site Technologies Ltd

10/15/2011
 1000

Simmers L 2
Blanco MV Side Track

Operations Outline

1. Plug back open hole to 3800' - 142' inside 7" csg set @ 3942'
2. Repair 7" x 8 3/4" annulus by squeeze cementing Cement to Surface
3. Cut window in 7" csg 3700' - 3850'.
4. Directionally drill 6 1/4" hole to target
 - a. KOP = 3800'
 - b. build @ 10°/100' to 45° @
 - c. Target location - bottom of Point Lookout
489.74' North and 489.79' East of Surface Locn.
Legal coordinates BHL: 1480 FWL x 1380 FSL
5. Log. Run 4 1/2" csg TD to Surface. Cement TD to 3600' inside 7" csg.
6. Perf & Frac Mesa Verde Sands

22-141 50 SHEETS
 22-142 100 SHEETS
 22-144 200 SHEETS



GL 0835.66'

Simmons E-2
 Current Wellbore
 Schematic

R. Griffith
 OnSite Technologies

1000

2000

2 3/8" A.P.P.T. JSS
 @ 4846'
 probably stuck in hole

8 3/4" hole

P.C. ——— 2340
 Lewis Sh. ——— 2420

ToC unknown

3000

4000

3942'

7 1/2" JSS
 300 sks

CLIFF House ——— 4010
 ——— 4120
 Henric

Not a Shot
 before Completion
 4010

Point ——— 4560
 Point out ——— 4730
 4560

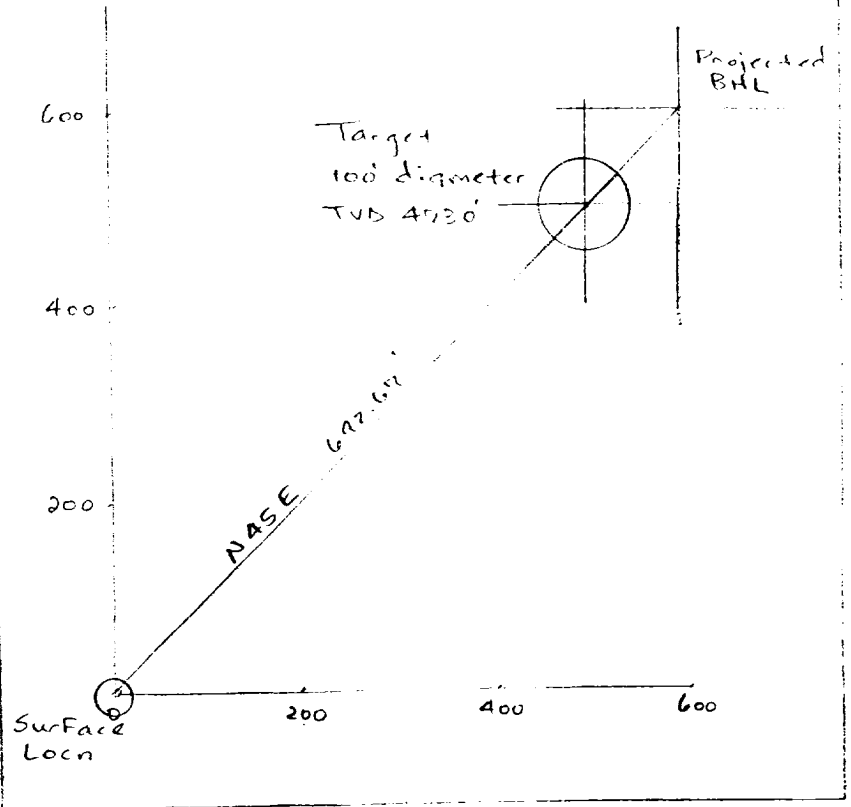
4560

50 SHEETS
22.141 100 SHEETS
22.142 200 SHEETS
22.144



Simons E-2 Directional Plan

MAP VIEW



R. Griffen
OnSite Technologies Ltd.

3700
window
3850
KOP = 4250'
3942'

max angle 45°

Lewis

3455
3480 Chacra

Lewis

CLIFF House

- 4010
- 4120

MeneFee

Point 1

4560
- 4120

500

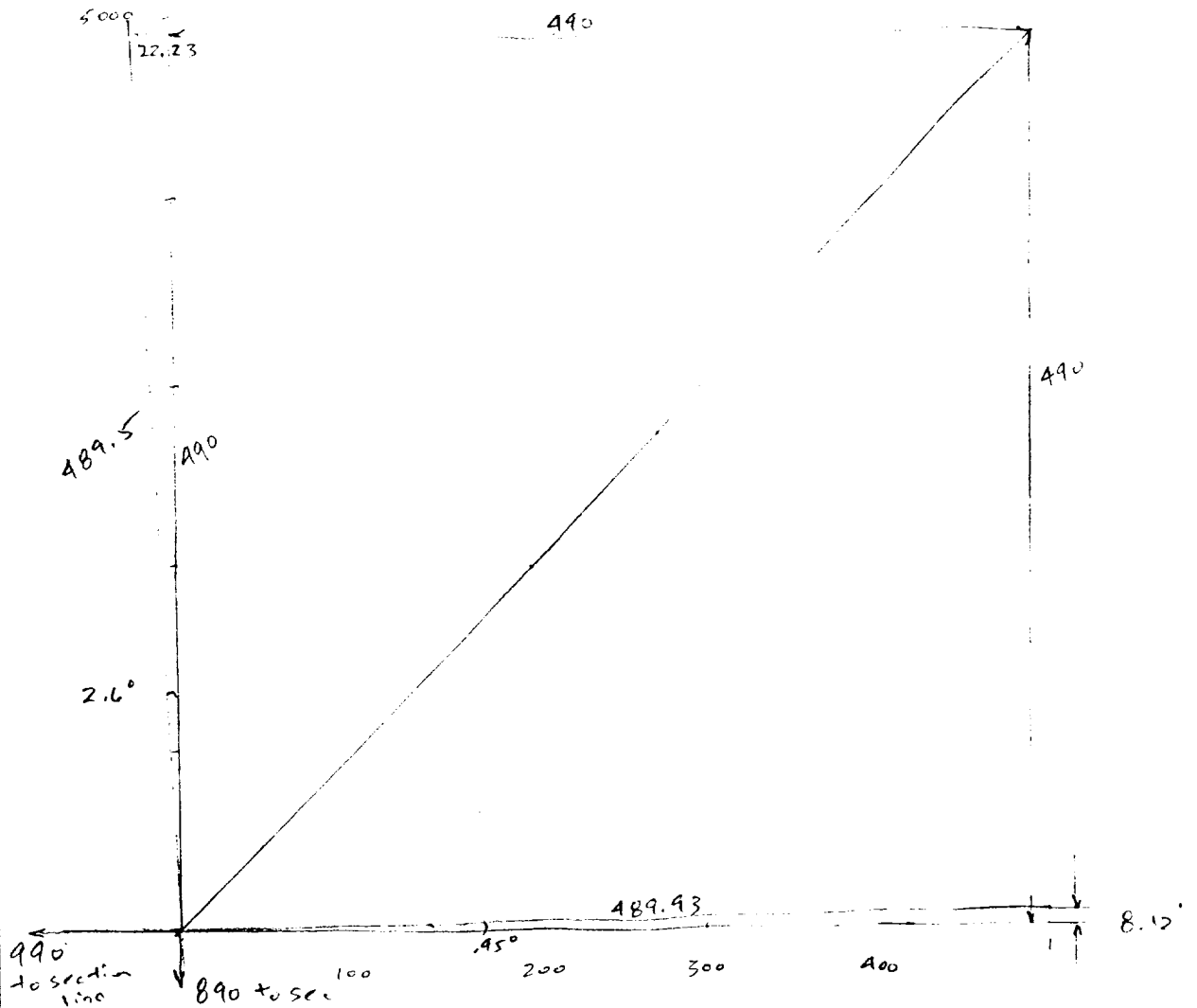
1000

Simmons E-2

Build rate		10	deg/100 ft									
Measured Delta	Inclination	avg	Direction	Delta	Delta	Total	Total	North	East	North	East	
Depth	Course	(degrees)	Inclination	TVD	Departure	TVD	Departure	Delta	Delta	Coor	Coor	
Original Vertical Section												
0	0											
3800	3800	0	0 N45E	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00
Kick Off Point:		3800										
Build Section												
3800		0	0 N45E	0.00	0.00	3800.00	0.00	0.00	0.00			
3900	100	10	5 N45E	99.62	8.72	3899.62	8.72	6.16	6.16	6.16	6.16	
4000	100	20	15 N45E	96.59	25.88	3996.21	34.60	18.30	18.30	24.46	24.46	
4100	100	30	25 N45E	90.63	42.26	4086.84	76.86	29.88	29.88	54.35	54.35	
4200	100	40	35 N45E	81.92	57.36	4168.76	134.22	40.56	40.56	94.91	94.91	
4250	50	45	42.5 N45E	36.86	33.78	4205.62	168.00	23.89	23.89	118.79	118.79	
Hold Point:		4250										
Hold Section												
4300	50	45	45 N45E	35.36	35.36	4240.98	203.35	25.00	25.00	143.79	143.79	
4400	100	45	45 N45E	70.71	70.71	4311.69	274.06	50.00	50.00	193.79	193.79	
4500	100	45	45 N45E	70.71	70.71	4382.40	344.77	50.00	50.00	243.79	243.79	
4600	100	45	45 N45E	70.71	70.71	4453.11	415.48	50.00	50.00	293.79	293.79	
4700	100	45	45 N45E	70.71	70.71	4523.82	486.19	50.00	50.00	343.79	343.79	
4800	100	45	45 N45E	70.71	70.71	4594.53	556.91	50.00	50.00	393.79	393.79	
4900	100	45	45 N45E	70.71	70.71	4665.24	627.62	50.00	50.00	443.79	443.79	
4992	92	45	45 N45E	65.05	65.05	4730.30	692.67	46.00	46.00	489.79	489.79	
5100	108	45	45 N45E	76.37	76.37	4806.66	769.04	54.00	54.00	543.79	543.79	
5200	100	45	45 N45E	70.71	70.71	4877.37	839.75	50.00	50.00	593.79	593.79	

Calculations

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



$$\begin{aligned}
 2^{\circ} 36'' &= 2.6^{\circ} \\
 5000 \div \cos 2.6 &= 5005.15 \\
 5005.15 \times \sin 2.6 &= 221.05 \\
 57' &= 0.95^{\circ} \\
 5000 \div \cos .95 &= 5000.67 \\
 5000.67 \times \sin .95 &= 87.91 \\
 490 \times \sin .95 &= 8.12 \\
 490 \times \cos .95 &= 489.93 \\
 490 \times \sin 2.6 &= 22.23 \\
 490 \times \cos 2.6 &= 489.5
 \end{aligned}$$

$$\begin{aligned}
 990 + 489.93 &= 1479.93 \text{ FWL} \\
 &\sim 1480 \text{ FWL}
 \end{aligned}$$

$$\begin{aligned}
 890 + 489.93 &= 1379.93 \text{ FSL} \\
 &\sim 1380 \text{ FSL}
 \end{aligned}$$

Mr. Van Goebel
Meridian Oil & Gas, Inc
P.O. Box 42489
Farmington, NM 87499

RE: REQUEST FOR ADMINISTRATIVE APPROVAL TO INTENTIONALLY
DEVIATE A WELL FROM VERTICAL

Dear Mr. Goebel:

On behalf of D J. Simmons Company, Ltd., On Site Technologies, Ltd. is applying for administrative approval to sidetrack for the four following well locations:

HAMNER A-1, SECTION 21, T-29-N, R-9-W
SIMMONS E-1, SECTION 26, T-29-N, R-9-W
SIMMONS E-2, SECTION 23, T-29-N, R-9-W
SIMMONS S-1, SECTION 25, T-29-N, R-9-W

These four locations were completed in the early 1950's as open hole completions. It is our belief that by sidetracking with modern technological methods, we can obtain improved drainage of the unit while remaining within the drilling window.

If you, as an offset operator, have no objections to this proposed action, please sign the attached waivers and return one copy of the signed document to the NMOCD in Aztec and the original to On Site Technologies, Ltd. I have enclosed self addressed envelopes for your convenience.

If you have any questions, regarding this application, please contact me.

Thank you for your assistance.

Yours truly,



Robert L. Crabb
Agent for D J. Simmons Company, Ltd.

enclosures

cc D J. Simmons Company, Ltd.
NMOCD



Mr. Pete Mueller
Amoco, Inc
P.O. Box 800
Denver, CO 80701

RE: REQUEST FOR ADMINISTRATIVE APPROVAL TO INTENTIONALLY
DEVIATE A WELL FROM VERTICAL

Dear Mr. Mueller:

On behalf of D J. Simmons Company, Ltd., On Site Technologies, Ltd. is applying for administrative approval to sidetrack for the four following well locations:

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SIMMONS E-1, SECTION 26, T-29-N, R-9-W
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If you have any questions, regarding this application, please contact me.

Thank you for your assistance.

Yours truly,

A handwritten signature in black ink, appearing to read "Robert L. Crabb", written over a horizontal line.

Robert L. Crabb
Agent for D J. Simmons Company, Ltd.

enclosures
cc D J. Simmons Company, Ltd.
ESP/ED