STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

September 6, 1995

D. J. Simmons Company, Ltd.c/o On Site Technologies, Ltd.P. O. Box 2606Farmington, New Mexico 87499

Attention: Robert L. Crabb

Administrative Order DD-115

Dear Mr. Crabb:

Reference is made to your application on behalf of the operator D. J. Simmons Company, Ltd. dated July 31, 1995 for authorization to recomplete its existing L. V. Hamner "A" Well No. 1 (API No. 30-045-07939) by side tracking off of the vertical wellbore and directionally drill to a pre-determined bottom-hole location in order to further develop the Blanco-Mesaverde Pool underlying its existing 320-acre standard gas spacing and proration unit ("GPU") comprising the W/2 of Section 21, Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(D) and (E) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) The L. V. Hamner "A" Well No. 1, located 590 feet from the South line and 1090 feet from the West line (Unit M) of said Section 21, was originally drilled and completed as an initial Blanco-Mesaverde well in 1954;
- (3) By Order No. R-8170, as amended, the Division promulgated the "General Rules For The Prorated Gas Pools of New Mexico/Special Rules and Regulations For The Blanco-Mesaverde Pool", which includes provisions for 320-acre gas spacing and proration units and well location requirements whereby the initial well drilled on a GPU shall be located be no closer than 790 feet to the outer boundary of the quarter section on which the well is located and not closer than 130 feet to any

Administrative Order DD-115 D. J. Simmons Company, Ltd. September 6, 1995 Page No. 2

> quarter-quarter section line or subdivision inner boundary and the <u>infill</u> well drilled on an existing GPU shall be in the quarter section not containing a Mesaverde gas well and shall be located with respect to the restrictions as previously described;

- (4) The infill well for the subject GPU is the L. V. Hamner "A" Well No. 1-A (API No. 30-045-23389), located at a standard gas well location 1720 feet from the North line and 1760 feet from the West line (Unit F) of said Section 21.
- (5) The applicant/operator proposes to kick-off from vertical at a depth of approximately 3,550 feet in a northeasterly direction and drill in such a manner as to bottom back into the Blanco-Mesaverde Pool, with total horizontal displacement of said well to be approximately 600 feet;
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the SW/4 of said Section 21 that is no closer than 790 feet to the quarter section line; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) The operator, D. J. Simmons Company, Ltd., is hereby authorized to recomplete its existing L. V. Hamner "A" Well No. 1 (API No. 30-045-07939), located 590 feet from the South line and 1090 feet from the West line (Unit M) of Section 21, Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico, by side tracking off of the vertical wellbore at a depth of approximately 3,550 feet in a northeasterly direction and drill in such a manner as to bottom back in the Blanco-Mesaverde Pool, within the SW/4 of said Section 21 such that the bottomhole location is no closer than 790 feet to the quarter section line;

<u>PROVIDED HOWEVER THAT</u> prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

<u>PROVIDED FURTHER THAT</u> during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

Administrative Order DD-115 D. J. Simmons Company, Ltd. September 6, 1995 Page No. 3

(2) The applicant shall notify the supervisor of the Aztec district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Aztec offices of the Division upon completion.

(3) This well shall remain in the existing 320-acre standard gas spacing and proration unit comprising the W/2 of said Section 21.

(4) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F and Order No. R-8170, as amended.

(5) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(6) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION WILLIAM J. LEMAY Director

SEAL

WJL/MES/kv

cc: Oil Conservation Division - Aztec U. S. Bureau of Land Management - Farmington File: Case 11,274

DD-SIMM

Rec. : 8/1/85 Susp : 8/21/85 Reland 8/6/95

September 6, 1995

D. J. Simmons Company, Ltd.
c/o On Site Technologies, Ltd.
P. O. Box 2606
Farmington, New Mexico 87499

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Administrative Order DD-1(5

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Administrative Order DD-**** D. J. Simmons Company, Ltd. September 6, 1995 Page No. 2

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Administrative Order DD-**** D. J. Simmons Company, Ltd. September 6, 1995 Page No. 3

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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY Director

SEAL

WJL/MES/kv

cc: Oil Conservation Division - Aztec U. S. Bureau of Land Management - Farmington File: Case 11,274 SEP-05-95 TUE 12:35 ON SITE TECHNOLOGIES, LTD 505 327 1496

Facsimile Cover Sheet

To: MICHAEL STOGNER

Company: NMOCD Phone: 505-827-8185 Fax: 505-827-8177

6

From: ROBERT CRABB Company: ON SITE TECHNOLOGIES, LTD. Phone: 505-325-8786 Fax: 505-327-1496

09-05-95 Date: Pages including this cover page:

Comments:

THANKS SO MUCH FOR YOUR ASSISTANCE. I WILL BE IN THE OFFICE THE REST OF THE DAY IF YOU SHOULD NEED ME. ALL ORIGINALS ARE IN THE U.S. MAIL.

ROBERT L. CRABB ON SITE TECHNOLOGIES, LTD. AGENT FOR D.J. EIMMOND COMPANY, LTD.



OFF: (505) 325-8786

LAB: (505) 325-5667

September 5, 1995

Mr. Michael E. Stogner Chiof Hearing Officer/Engineer New Mexico Energy, Minerals & Natural Resources Department Oil Conservation Division P.O. Box 6429 Santa Fe, New Mexico 87505-6429

RE: Administrative Application for Directional Drilling Pursuant to General Rule 111
L.V. Hamner "A" Well No. 1 (Unit M) of Section 21
Simmons "E" Well No. 2 (Unlt M) of Section 23
Simmons "S" Well No. 1 (Unit A) of Section 25 and
Simmons "E" Well No. 1 (Unit B) of Section 26;
all in Township 29 North, Range 9 West, NMPM, Blanco Mesaverde Pool,
San Juan County, New Mexico

Dear Mr. Stogner:

Please find attached, copies of the four maps denoting all off-setting units for the above mentioned wells. After reviewing and checking the areas that you requested, plus some additional ones, it was found that all off-setters remain to be Amoco and Meridian which have been natified.

All proration units, including the Simmons units, are stand ups.

I will be leaving for vacation after tomorrow. Could you please call me after receiving this fax to let me know if this is sufficient, as I need to complete this before I leave.

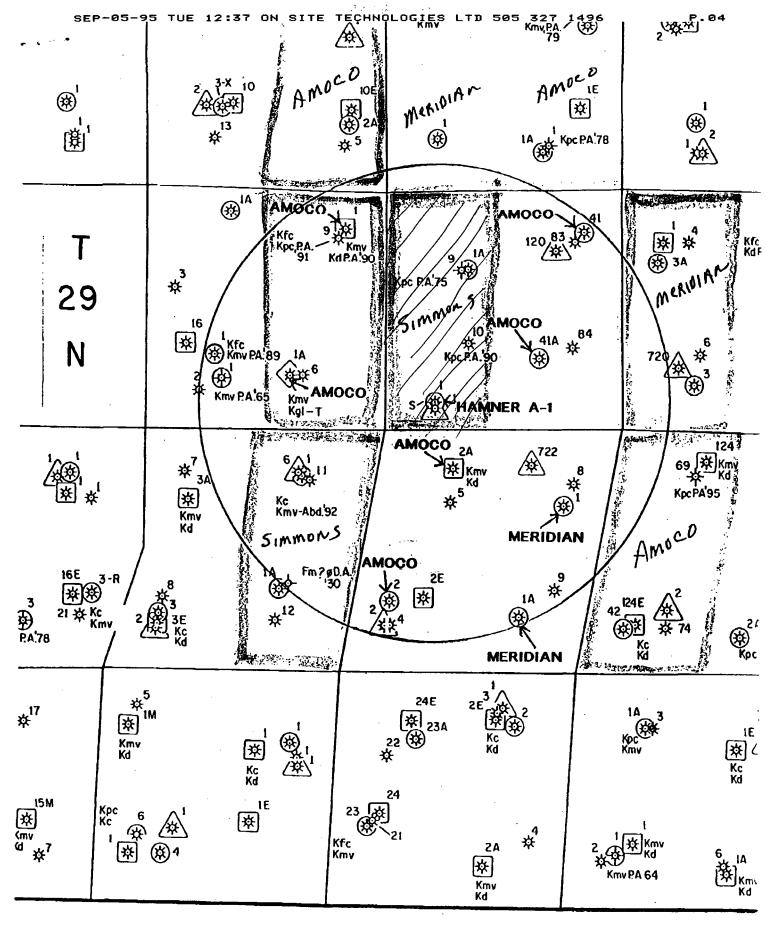
Thanks for your help.

Sincerely.

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

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOCY BLENDING INDUSTRY WITH THE ENVIRONMENT -



R-9-W

BAVERDE PRODUCING INTERVAL

OFF: (505) 325-8786

18 - E F



LAB: (505) 325-5667

OIL CONSERVATION DIVISION

September 5, 1995

Mr. Michael E. Stogner Chief Hearing Officer/Engineer New Mexico Energy, Minerals & Natural Resources Department Oil Conservation Division P.O. Box 6429 Santa Fe, New Mexico 87505-6429

RE: Administrative Application for Directional Drilling Pursuant to General Rule 111
L.V. Hamner "A" Well No. 1 (Unit M) of Section 21
Simmons "E" Well No. 2 (Unit M) of Section 23
Simmons "S" Well No. 1 (Unit A) of Section 25 and
Simmons "E" Well No. 1 (Unit B) of Section 26;
all in Township 29 North, Range 9 West, NMPM, Blanco Mesaverde Pool,
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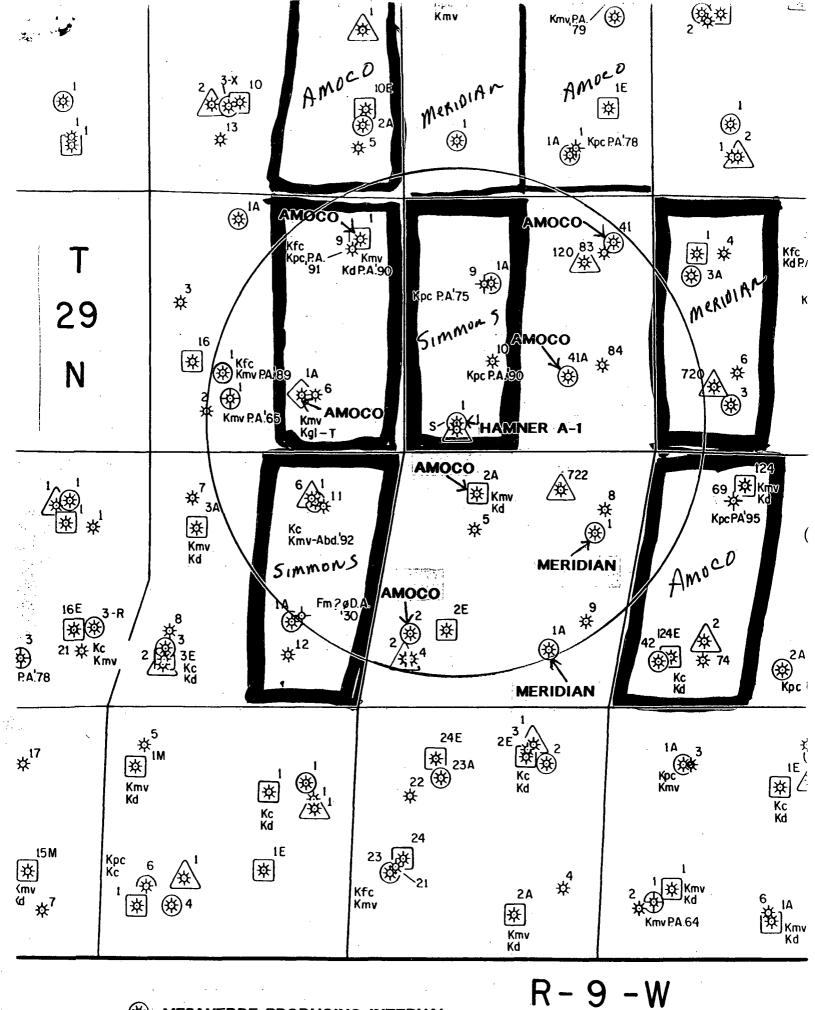
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Thanks for your help.

Sincerely,

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



MESAVERDE PRODUCING INTERVAL

*



LAB: (505) 325-566

OFF: (505) 325-8786

August 30, 1995

Mr. Michael E. Stogner Chief Hearing Officer/Engineer New Mexico Energy, Minerals & Natural Resources Department Oil Conservation Division P.O. Box 6429 Santa Fe, New Mexico 87505-6429

RE: Administrative Application for Directional Drilling Pursuant to General Rule 111: L.V. Hamner "A" Well No. 1 (Unit M) of Section 21; Simmons "E" Well No. 2 (Unit M) of Section 23; Simmons "S" Well No. 1 (Unit A) of Section 25; and, Simmons "E" Well No. 1 (Unit B) of Section 26; all in Township 29 North, Range 9 West, NMPM, Blanco Mesaverde Pool, San Juan County, New Mexico.

Dear Mr. Stogner:

I am in receipt of your letter dated August 23, 1995 in which you requested ownership maps showing off-setting drilling units to each of the four above mentioned projects and a "type log section" for each. I have enclosed three copies of same for each of the four locations. The off-setting producers are shown within a one mile radius of each project. Any Mesaverde locations that are not labeled are D.J. Simmons locations.

Please contact me if I can be of any further assistance.

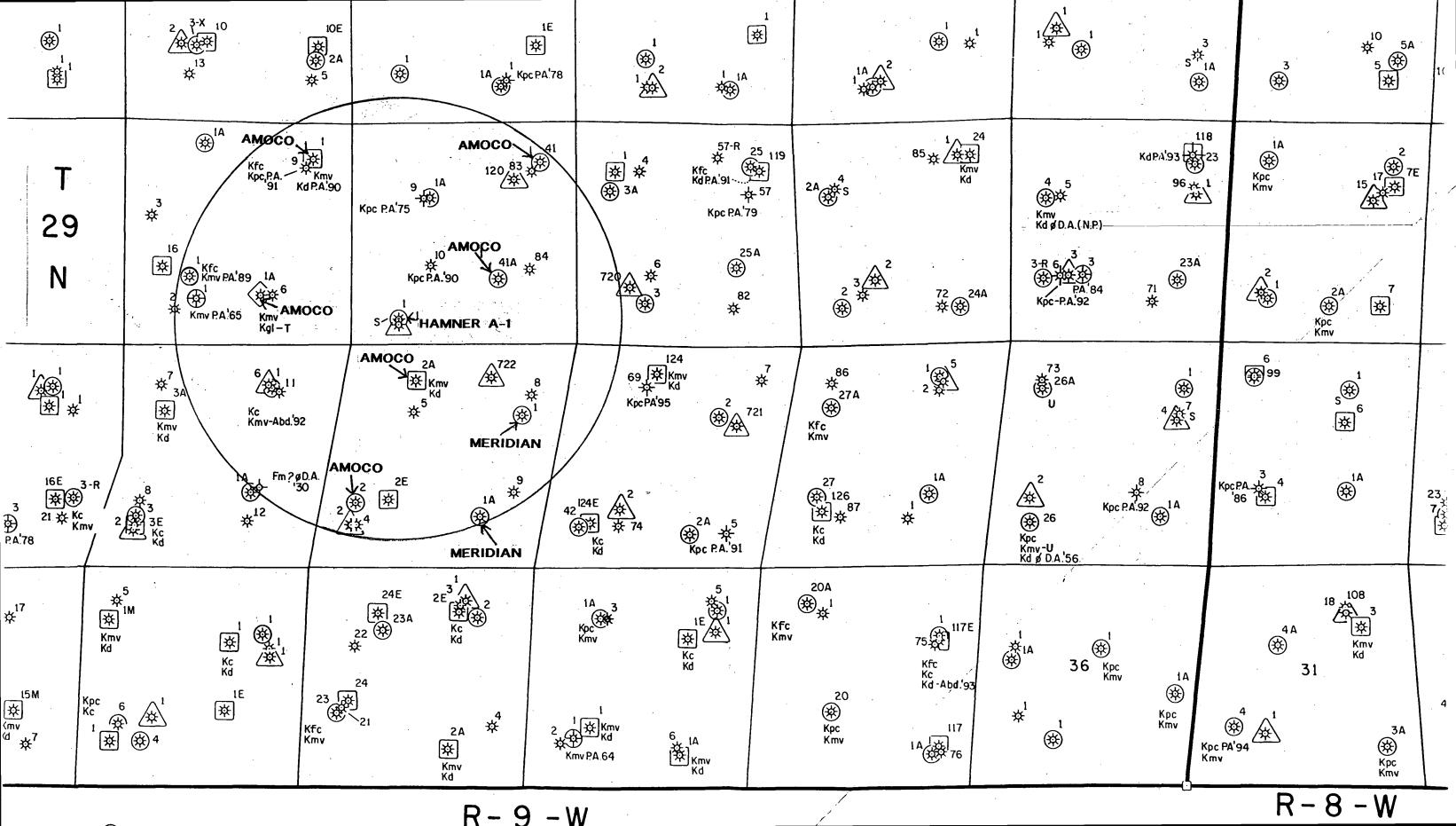
Sincerely,

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

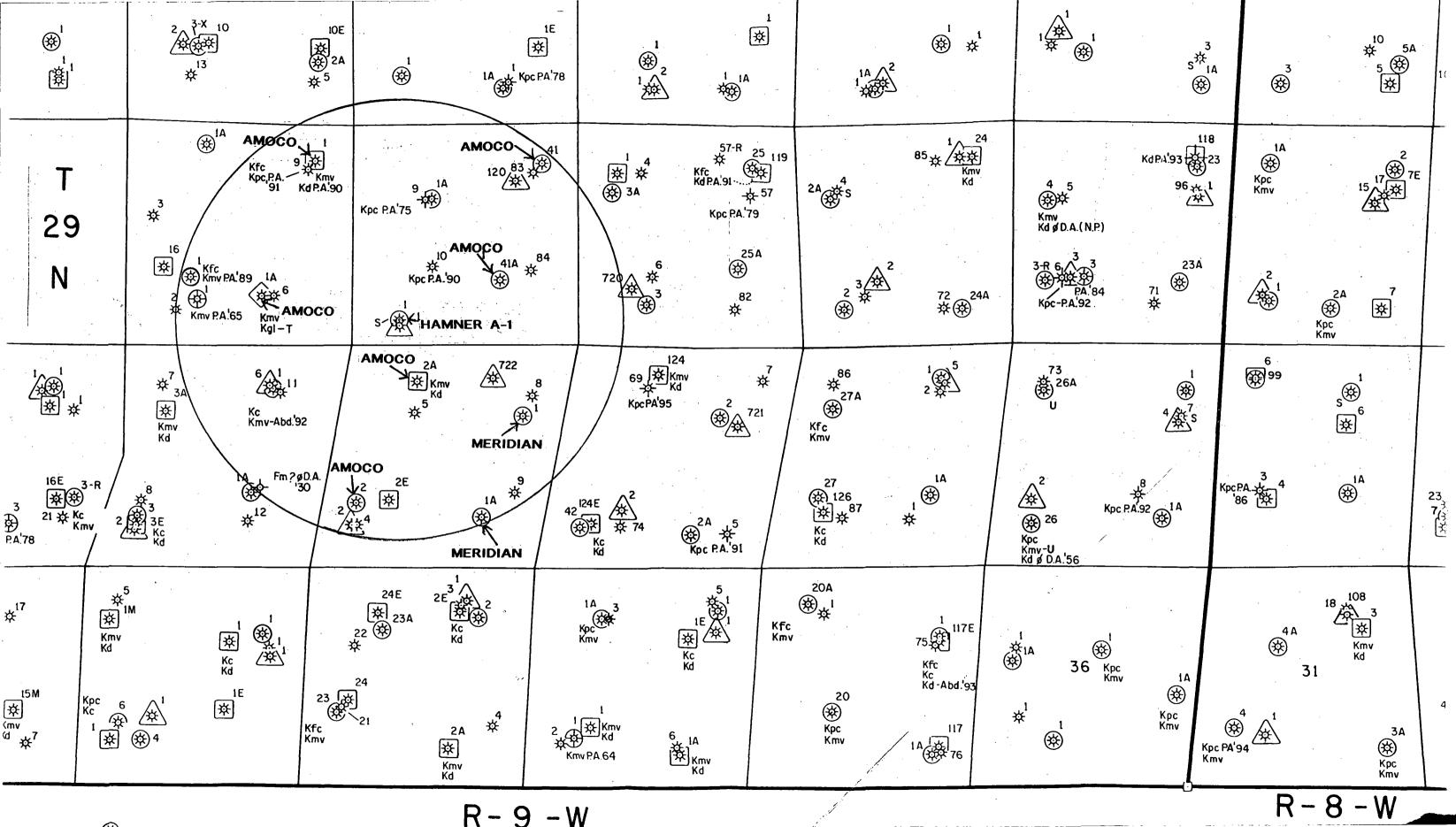
cc: Oil Conservation Division - Aztec U.S. Bureau of Land Management - Farmington

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



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NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

L CONSERVATION DIVISION

August 23, 1995

D. J. Simmons Company, Ltd. c/o On Site Technologies, Ltd. P. O. Box 2606 Farmington, New Mexico 87499

Attention: Robert L. Crabb

RE:

Administrative Application for Directional Drilling Pursuant to General Rule 111: L. V. Hamner "A" Well No. 1 (Unit M) of Section 21; Simmons "E" Well No. 2 (Unit M) of Section 23; Simmons "S" Well No. 1 (Unit A) of Section 25; and, Simmons "E" Well No. 1 (Unit B) of Section 26; all in Township 29 North, Range 9 West, NMPM, Blanco-Mesaverde Pool, San Juan County, New Mexico.

Dear Mr. Crabb:

All four applications dated July 31, 1995 were forwarded to this office for review since all four proposed directionals are to be in an "intentional direction", and by definition such filings fall under the provisions of **Division** General Rule 111.D, which requires review and approval from the Division Director here in Santa Fe.

Upon my initial review of said applications, please submit an ownership map that shows all off-setting drilling units to each proposed "project area" in the Blanco-Mesaverde Pool and their associated operator. Also required is a "type log section" [see Rule 111.D(2)(e)]. Once this information is provided I can then process these filings. Thank you for your cooperation in this matter.

Should you have any additional questions or comments, please contact me at (505) 827-8185.

Sincerely,

Michael E. Stogner Chief Hearing Officer/Engineer

MES/kv

cc: Oil Conservation Division - Aztec U. S. Bureau of Land Management - Farmington

> OFFICE OF THE SECRETARY - P. O. BOX 6429 - SANTA FL, NM 87505-6429 - (505) 827-5950 ADMINISTRATIVE SERVICES DIVISION - P. O. BOX 6429 - SANTA FL, NM 87505-6429 - (505) 827-5925 ENERCY CONSERVATION AND MANAGEMENT DIVISION - P. O. BOX 6429 - SANTA FL, NM 87505-6429 - (505) 827-5920 FORESTRY AND RESOURCES CONSERVATION DIVISION - P. O. BOX 6429 - SANTA FL, NM 87505-6429 - (505) 827-5830 MINING AND MINIERALS DIVISION - P. O. BOX 6429 - SANTA FL, NM 87505-6429 - (505) 827-5830 OIL CONSERVATION DIVISION - P. O. BOX 6429 - SANTA FL, NM 87505-6429 - (505) 827-5830 OIL CONSERVATION DIVISION - P. O. BOX 6429 - SANTA FL, NM 87505-6429 - (505) 827-5830 PARK AND RECREATION DIVISION - P. O. BOX 147 - SANTA FL, NM 87504-1147 - (505) 827-7465

CMD : OG6IWĈM		ONGA INQUIRE WELL	RD COMPLETIONS	08,	/23/95 09:27:28 OGOMES -EMGU
API Well No : Pool Idn : OGRID Idn : Prop Idn :	72319 BLAN 5578 D J	CO-MESAVERDE (SIMMONS CO		WC Status :	Α
Well No : GL Elevation:		• •		· :	
	U/L Sec	Township Rang	e North/South	East/West	Prop/Act(P/A)
B.H. Locn Lot Identifier Dedicated Acre Lease Type Type of consol	r: e: 320.00 : F		FTG 590 F : ced Pooling -		P
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CMD : · 🎂 ONGARD 08/23/95 09:28:44 OG6 IWĈM INQUIRE WELL COMPLETIONS OGOMES -EMGU API Well No : 30 45 23389 Eff Date : 07-01-1979 WC Status : A Pool Idn : 72319 BLANCO-MESAVERDE (G) OGRID Idn : 5578 D J SIMMONS CO Prop Idn : 10166 L V HAMNER A Well No : 001A GL Elevation: 99999 U/L Sec Township Range North/South East/West Prop/Act(P/A) B.H. Locn : F 21 29N 09W FTG 999 F S FTG 999 F E Ρ Lot Identifier: Dedicated Acre: 320.00 Lease Type : F Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : M0025: Enter PF keys to scroll PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF07

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40.00	40.00	36.22	38.35
Federal owned	Federal owned	Federal owned	Federal owned
	A	A	
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PF07 BKWD PF08	FWD PF09 PRINT	PF10 SDIV PF11	PF12

CMD : OG5SECT Sec : 21 Twp : 29N	ONGARD INQUIRE LAND 1 Rng : 09W Section	08/23/95 09:27:11 OGOMES -EMGU PAGE NO: 2	
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PF07 BKWD PF08 FW		F10 SDIV PF11	PF12

//ÒN	SITE
OFF: (505) 325-8786 TECHNOLOGIES, I	LAB: (505) 325-5667
July 31, 1995	V
Mr. Frank T. Chavez, District Supervisor State of New Mexico Oil Conservation Division	DECEIVED
Aztec District Office	AUG - 1 1995
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 Hamner A-1 from the vertical by sidetracking. Said well is located in Section 21, T-29-N, R-9-W, San Juan County, New Mexico. The surface hole location is 590' FSL & 1090' FWL. The bottomhole location will be 1136' FSL & 1405' FWL.

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

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Y					ų		-

TYPED OR PRINTED NAME

DIST. 3

TITLE

DATE

P. O. BOX 2606 • FARMINGTON, NM 87499

– Technology Blending Industry with the Environment –

District I

(OCD2.DOC)

P.O. Box 1980, Hobbs, NM 88241

<u>District II</u> P.O. Drawer DD, Artesia, NM 88211

<u>District III</u>

1000 Rio Brazos Rd, Aztec, NM 87410

<u>District IV</u> P.O. Box 2088, Santa Fe, NM 87504 OIL CONSERVATION DIVISION P.O. Box 2088

State of New Mexico

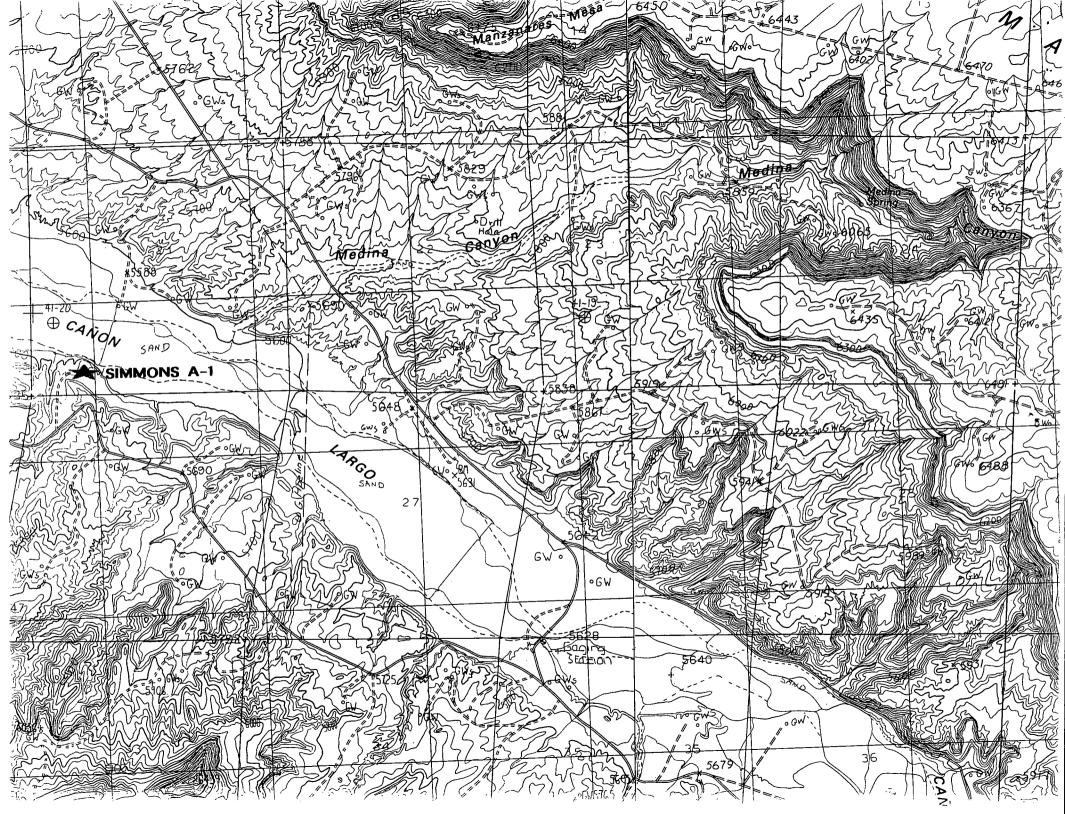
Energy, Minerals and Natural Resources Department

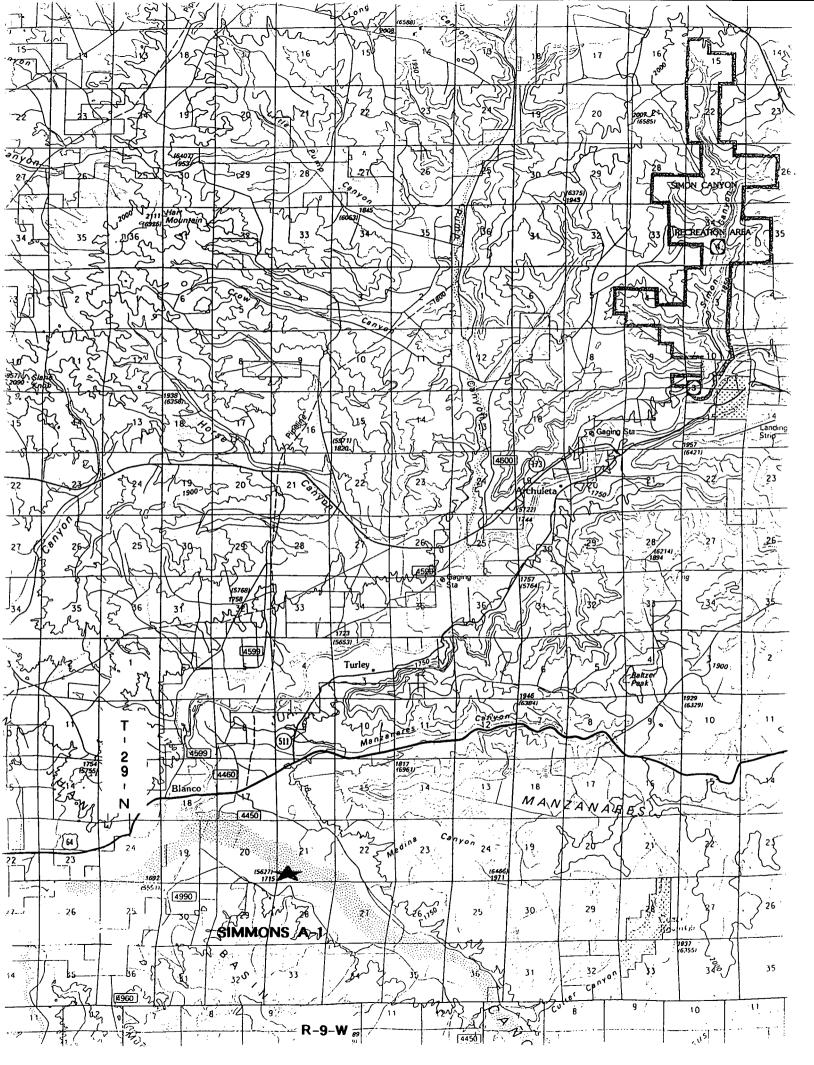
Santa Fe, New Mexico 87504-2088

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

			WEI	LL LOC	ATION A	AND ACR	EAGE DED	ICATION	PLAT			
1	. API N	umber	Г	Γ	2. Pool Code 72319				3. Pool Name BLANCO MESA VERDE			
· · · · · · · · · · · · · · · · · · ·					(431)	BLANCO MESA VERDE						
4. Prope	rty Code				BUREAU	5. Property Nan J OF LAND MAN						
7. OGR	UD No.		· · · ·		•	8. Operator Nan			9.	. Elevation		
					J.D. SI	MMONS COMPA	NY, LTD.					
						10. Surface	Location					
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				11	Bottom F	Internation	f Different From	Surface		l		
UL or lot no.	Secti	ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
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12. Dedicated 320	Acres	13.	Joint or Infill	14. Consolic	lation Code	15. Order No.	· · ·		ll.			
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		[I hereby certif	I hereby certify that the information contained herein is true and			
								complete to the	complete to the best of my knowledge and belief.			
						Signature				and _		
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				н.,	AUG - 1 1995				Title Agent for J.D. Simmons Company, Ltd.			
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BOTOM HOLE LOCATION							Date of Sur	vey				
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ENGINEERING NOTES

L.V. Hamner A-1

New York

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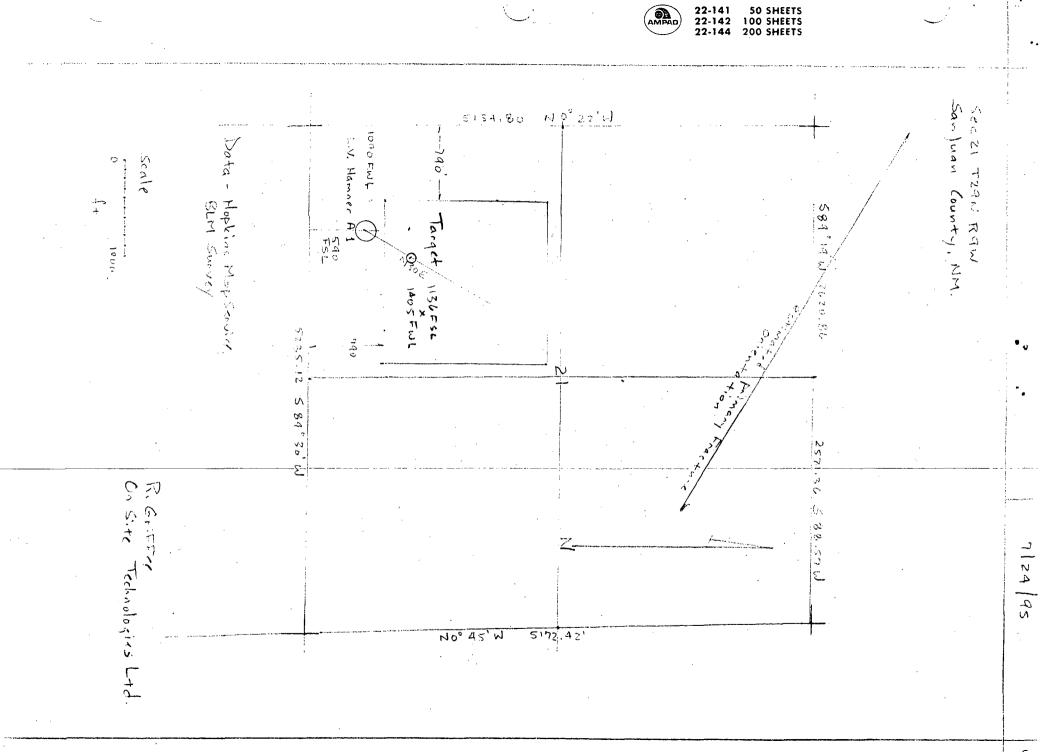
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SHEETS

Blanco Mesa Verde Sidetrack Directional De: 11:09 Dien

Engineering Calculations

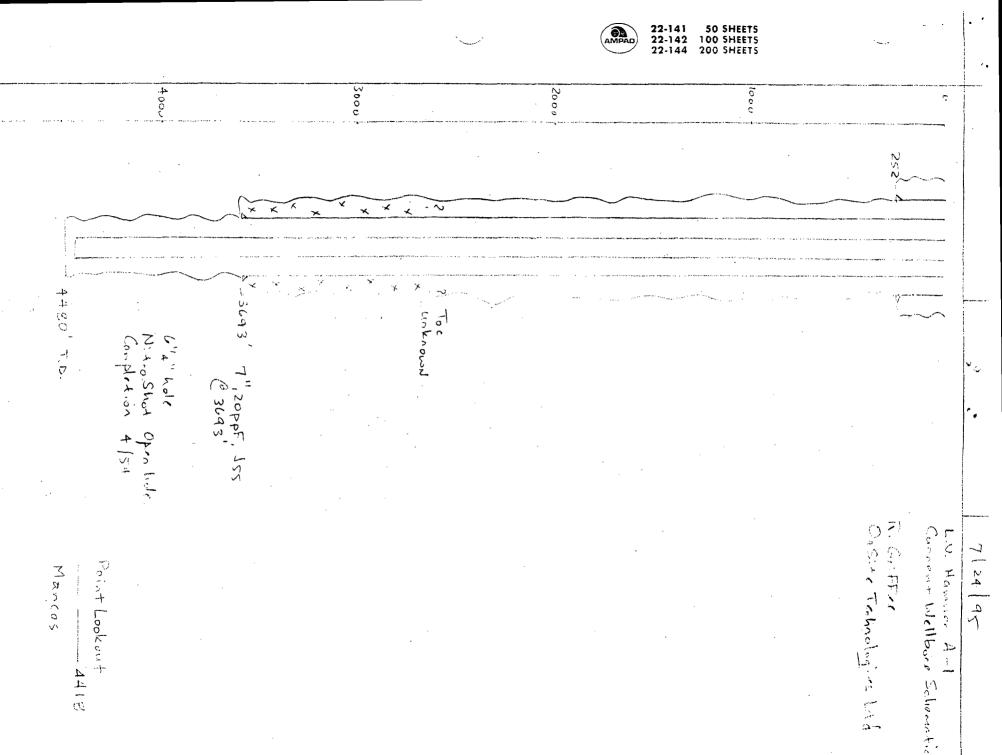
0, 5:+, Technologics Ltd. 12. 61:46 ~



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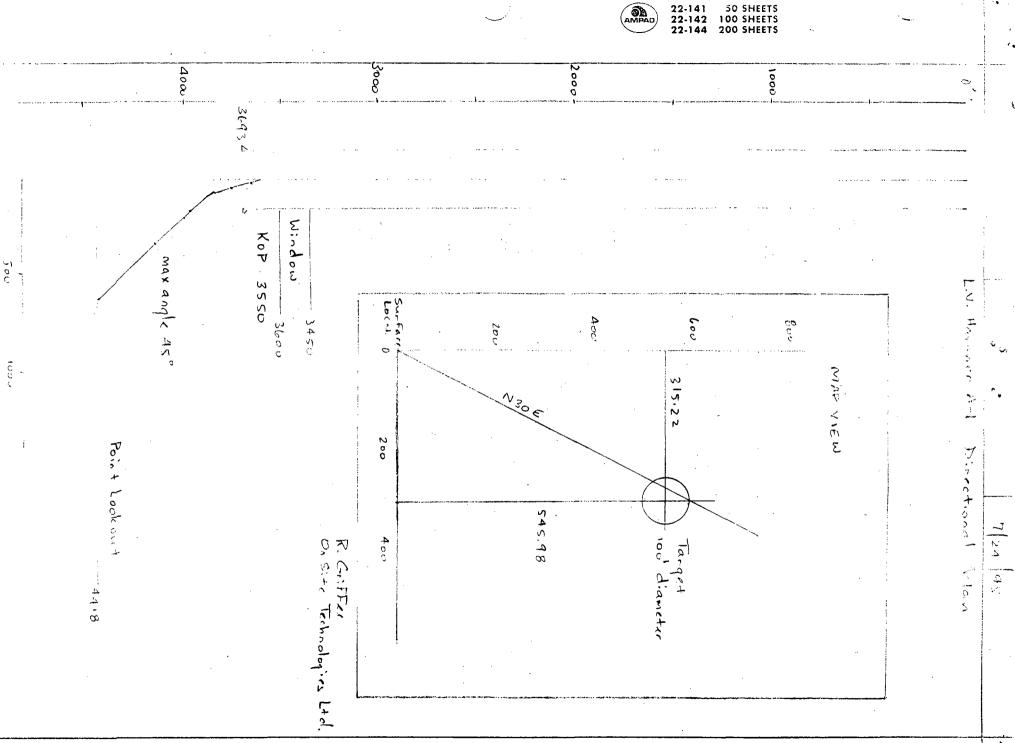
22-141 50 SHEETS 22-142 100 SHEETS 22-144 200 SHEETS AMPAC Ś 5.4. 4. 3 \sim Blance NºV 9 Openations Centent Repair a' $\overline{\mathbf{v}}$ Plug back Hawmer ∇ ٢٥٩ N, F いらいん Directionally Cat Window kop= Ewild O Target Location 7" C 7: - A~ Sidetrack <u>ф</u> 3550 Outhine 7) 72 (Legal Coordinates א רג csg. × 10 /100 surface A 1/2 " csg open hole to 834 annulus 17.17 545.98 dr:11 -Mesa Vide +0 رىر L'14" hold ı (135.98 FSL x 1405.22 FWL north and to sur Fare ... 45" @ 4000 Mb and 3955.62 bottom of 3450 - 3600 . 3550 BHL : 5 Sards to tanget Squeeze cerinting 315.22 cast of 143 Point Look out (ement inside ?" req 7/24/95 てい 5 Surfair 3500 5 tot (2 Lorn.

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Bu	ild rate	10		deg/100 ft								
Measured Depth	Delta Course	Inclination (degrees)	avg Inclination	Direction	Delta TVD	Delta Departure	Total TVD	Total Departure	North Delta	Bast Delta	North Coor	East Coor
Original	Vertical	Section										
0	0											
3550	3550	0	0	N30E	0.00	0.00	3550.00	0.00	0.00	. 0.00	0.00	0.00
Kick Off	Point:	3550										
Build Sec	tion											
3550		0		N30E	0.00	0.00	3550.00		0.00			
3650	100	10	5	N30E	99.62		3649.62	8.72	7.55	4.36	7.55	4.36
3750	100	20	15	N30E	96.59	25.88	3746.21	34.60	22.41	12.94	29.96	17.30
3850	100	30	25	N30E	90.63	42.26	3836.84	76.86	36.60	21.13	66.56	38.43
3950	100	40	35	N30E	81.92		3918.76	134.22	49.67	28.68	116.24	67.11
4000	50	45	42.5	N30E	36.86	33.78	3955.62	168.00	29.25	16.89	145.49	84.00
Hold Poin		4250										
Hold Sect												
4050	50	45		N30E	35.36	35.36	3990.98	203.35	30.62	17.68	176.11	101.68
4150	100	45		N30E	70.71	70.71	4061.69	274.06	61.24	35.36	237.35	137.03
4250	100	45		N30E	70.71	70.71	4132.40	344.77	61.24	35.36	298.58	172.39
4350	100	45		N30E	70.71		4203.11	415.48	61.24	35.36	359.82	207.74
4450	100	45		N30E	70.71	70.71	4273.82	486.19	61.24	35.36	421.06	243.10
4550	100	45		N30E	70.71	70.71	4344.53	556.91	61.24	35.36	482.29	278.45
4650	100	45		N30E	70.71		4415.24	627.62	61.24		543.53	313.81
4654	4	45		N30E	2.83	2.83	4418.07	630.44	2.45		545.98	315.22
4750	96	45	45	N30E	67.88		4485.95	698.33	58.79	33.94	604.77	349.16
4850	100	45	45	N30E	70.71	70.71	4556.66	769.04	61.24	35.36	666.01	384.52

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OFF: (505) 325-8786



LAB: (505) 325-5667

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,

cc

Robert L. Crabb

Agent for D J. Simmons Company, Ltd.

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P. O. BOX 2606 • FARMINGTON, NM 87499

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OFF: (505) 325-8786



LAB: (505) 325-5667

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

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Robert L. Crabb

Agent for D J. Simmons Company, Ltd.

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